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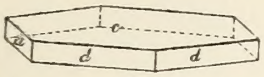
CARL WINTERS UNIVERSITÄTSBUCHHANDLUNG
HEIDELBERG 1922

Germany

Pyroaurit

Fig. 1.



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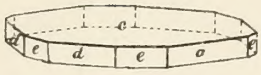

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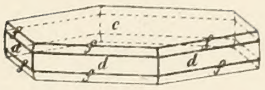

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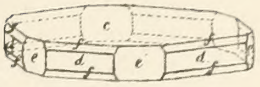

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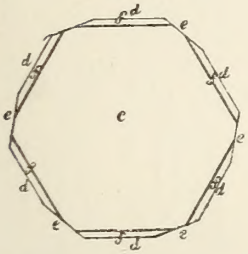

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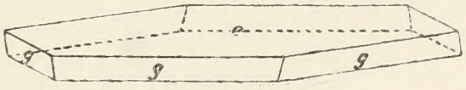

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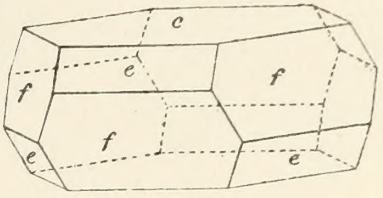

Pyrochlor

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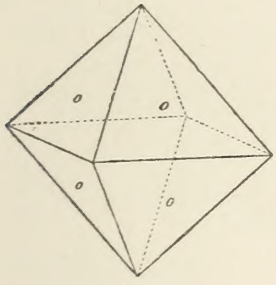

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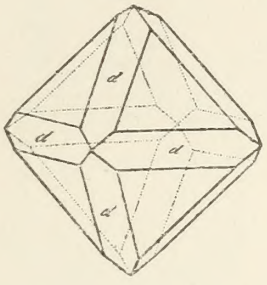

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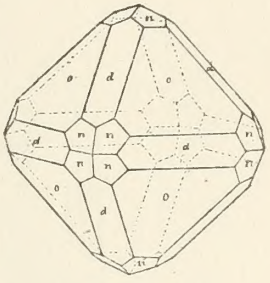

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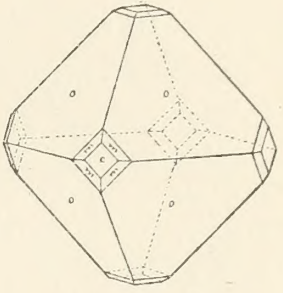

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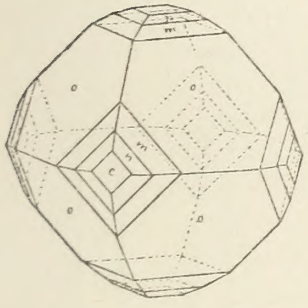

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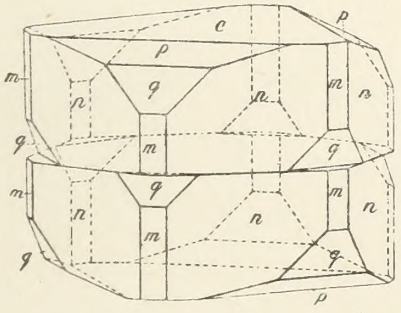

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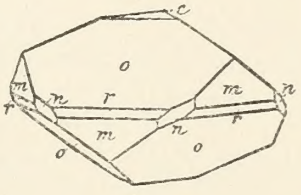
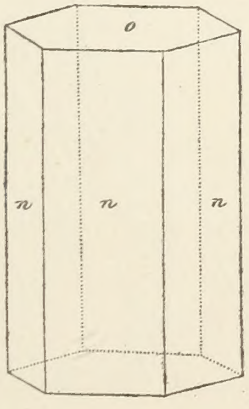


Pyromorphit

Fig. 1.



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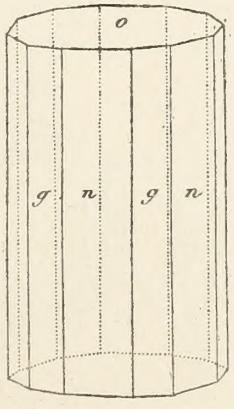

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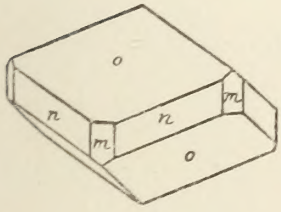

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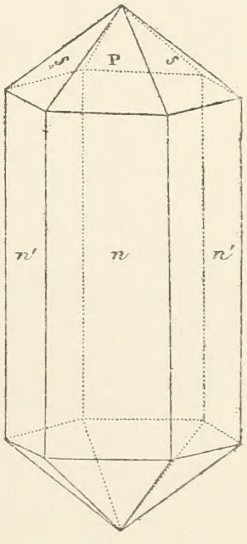

Pyromorphit

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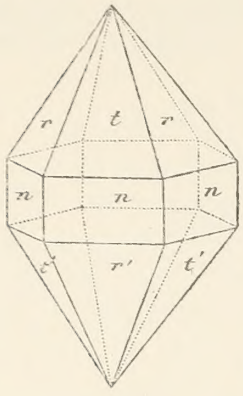

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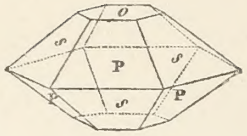

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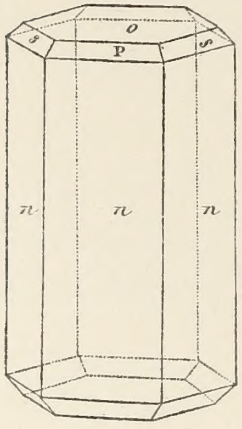

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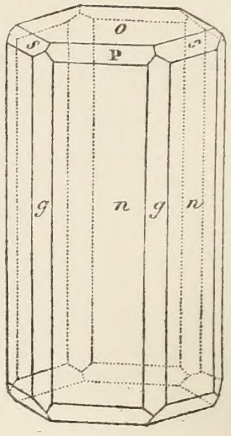

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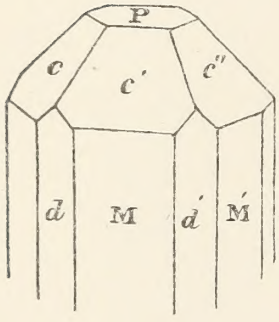

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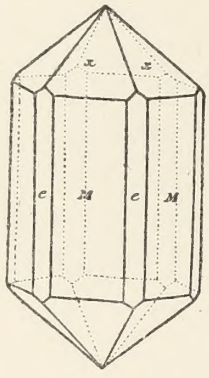

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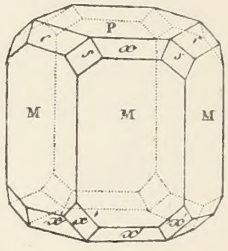

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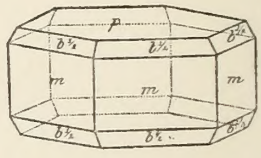

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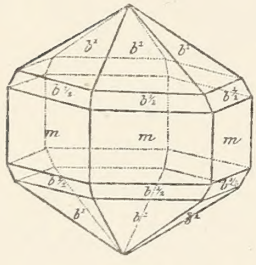

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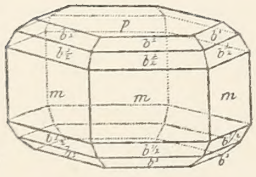

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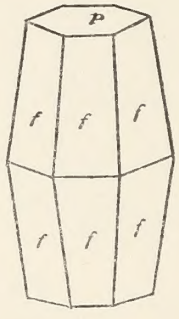

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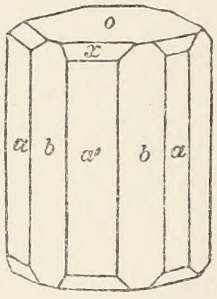

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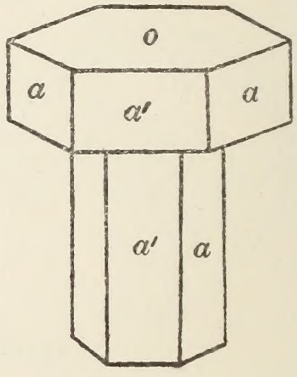

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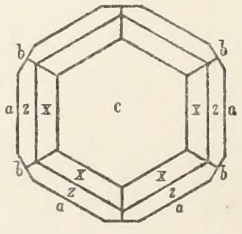

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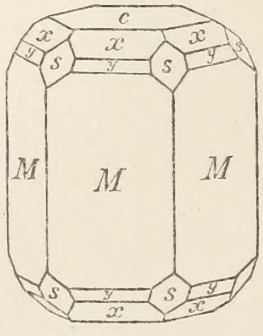

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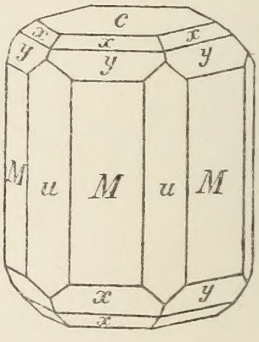

Pyromorphit

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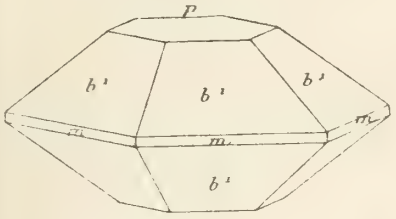

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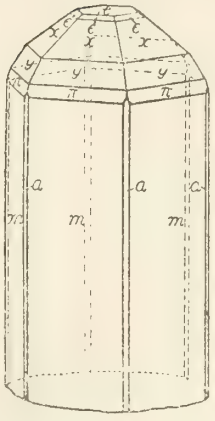

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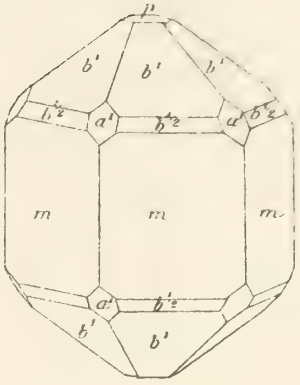

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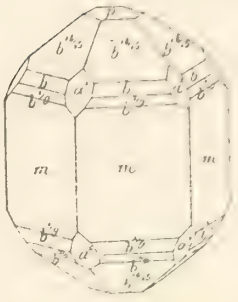

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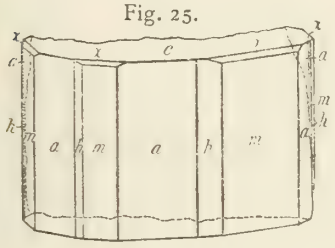

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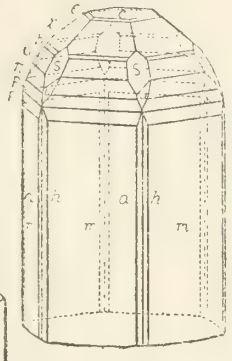

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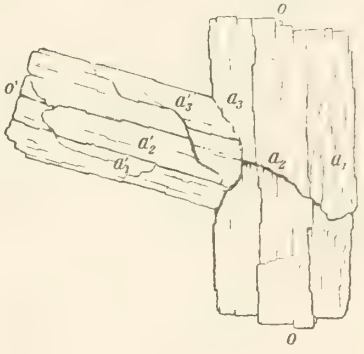

Pyrosmalith

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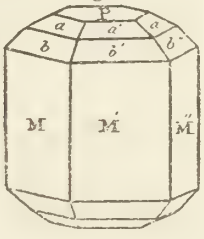

Pyrophanit

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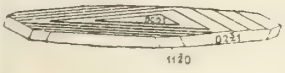

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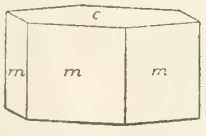

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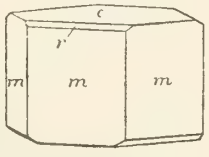

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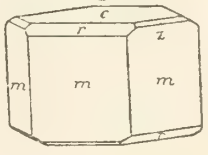

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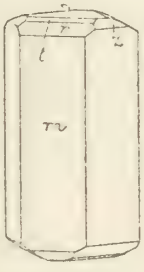
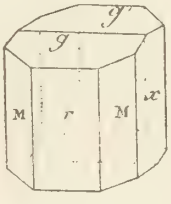


Pyroxen-Gruppe

Rhombische Pyroxene (Enstatit. Bronzit. Hypersthen)

Fig. 1.



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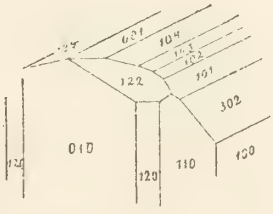

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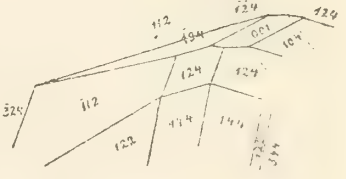

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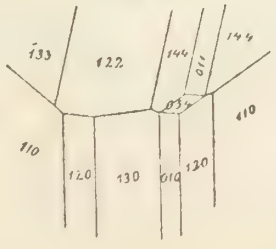

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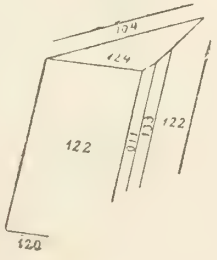

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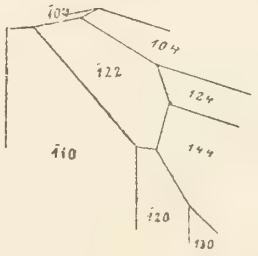

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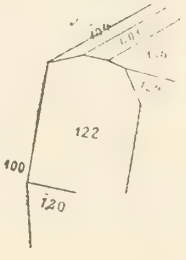


Pyroxen-Gruppe

Rhombische Pyroxene

Fig. 9.

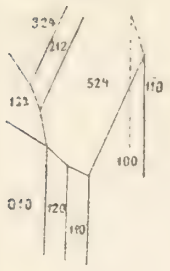


Fig. 10.

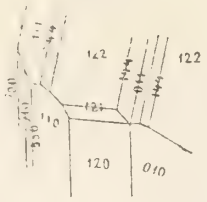
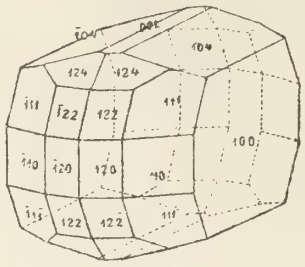


Fig. 11.



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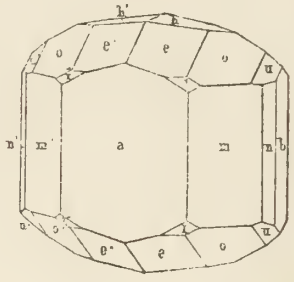

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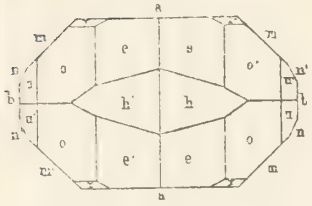
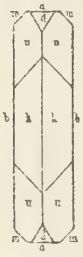


Fig. 14.

Fig. 15.

Fig. 16.



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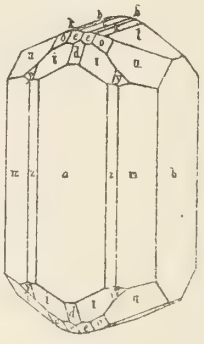

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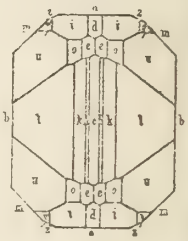

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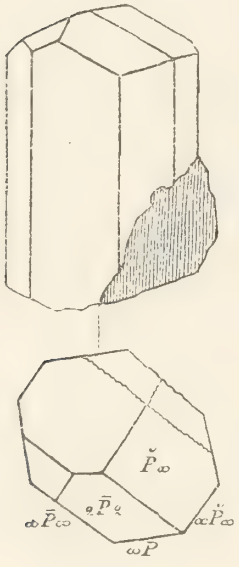
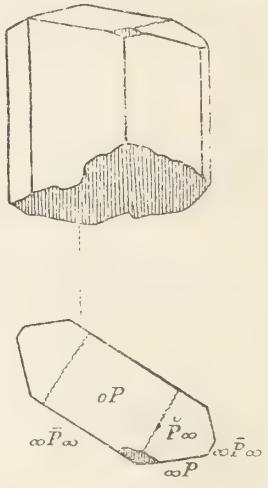


Fig. 20.

Fig. 21.



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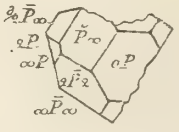
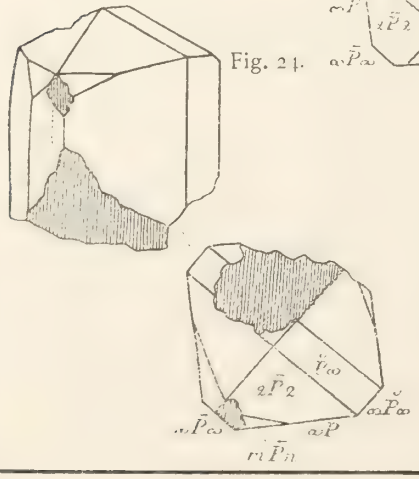


Fig. 23.

Fig. 24.



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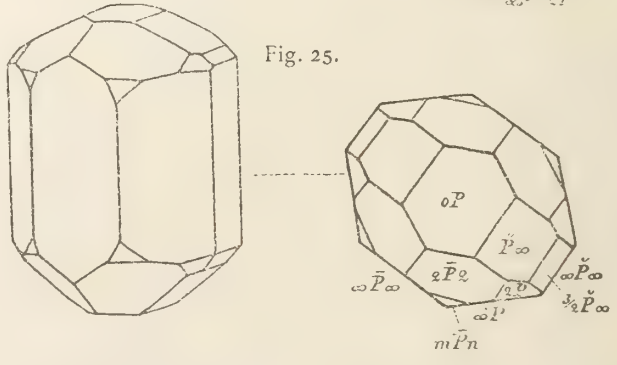
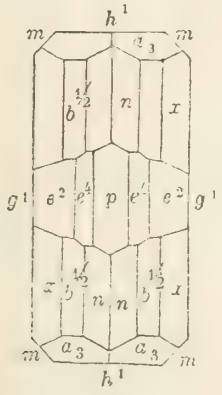


Pyroxen-Gruppe

Rhombische Pyroxene

Fig. 26.



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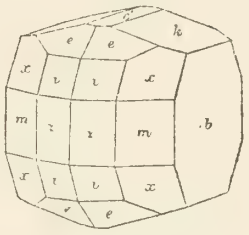

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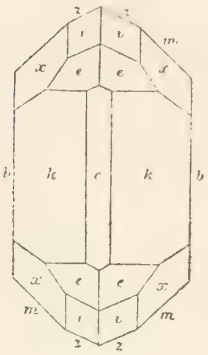

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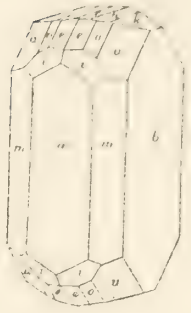

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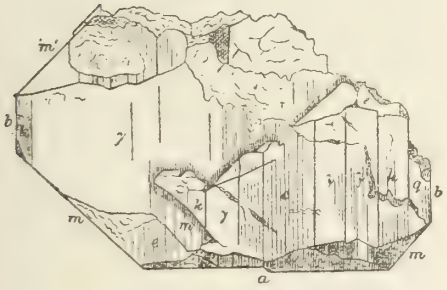

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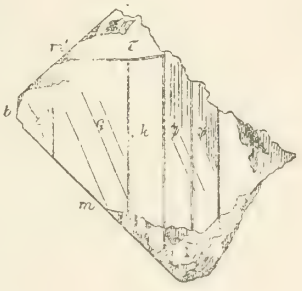

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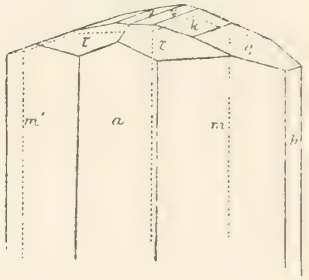

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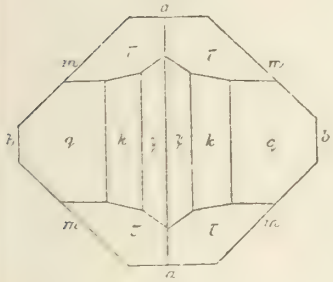

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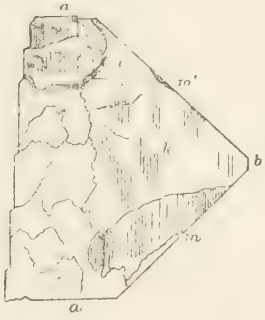

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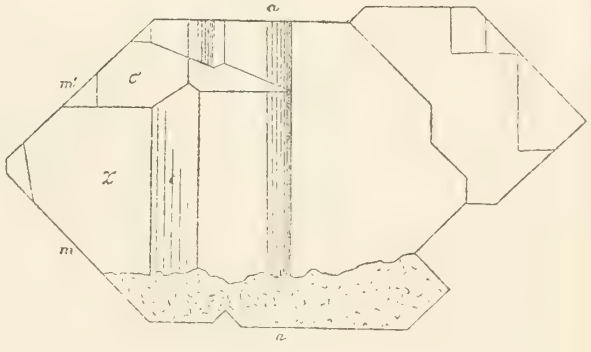

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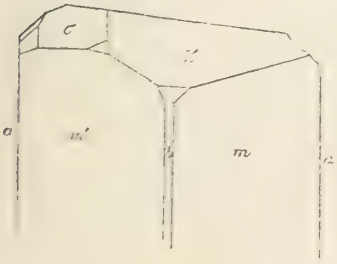

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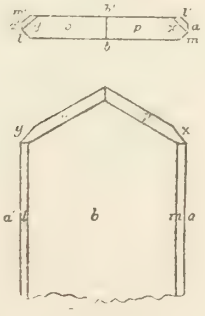

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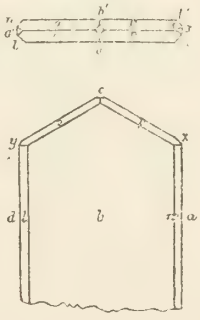

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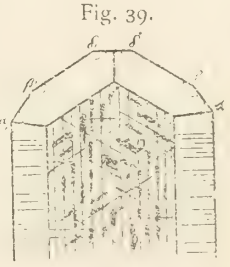
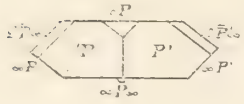


Fig. 40.

Pyroxen-Gruppe
Rhombische Pyroxene

Fig. 41.



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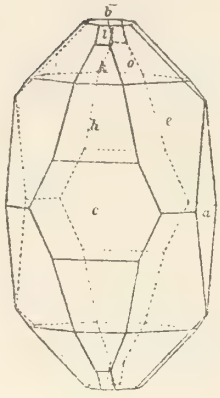

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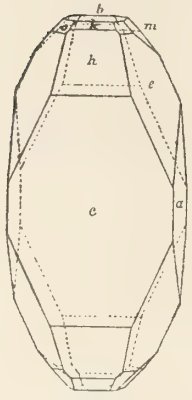

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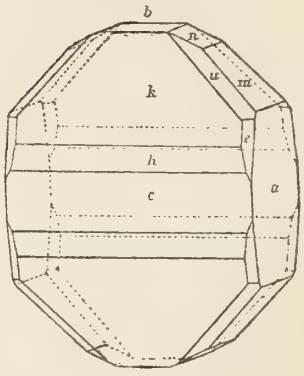

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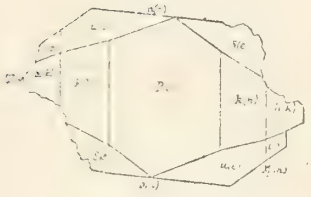

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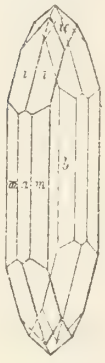

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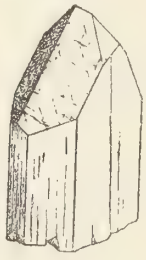

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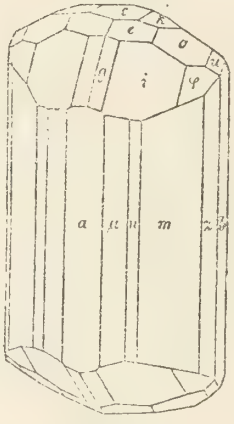
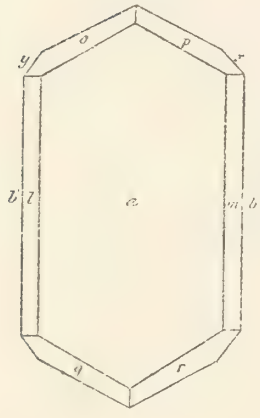


Fig. 49.

Fig. 50.



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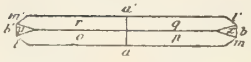

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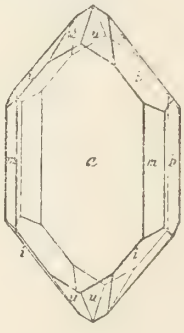

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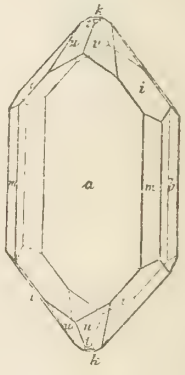
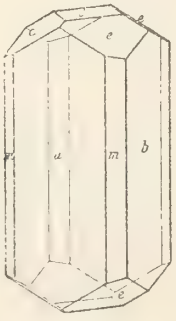


Fig. 54.

Fig. 55.



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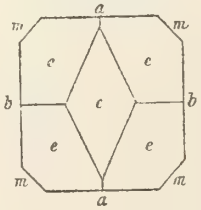

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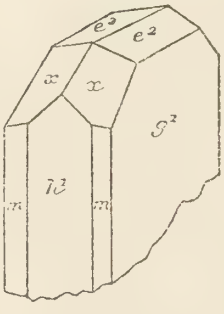

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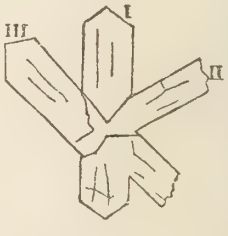


Pyroxen-Gruppe
Rhombische Pyroxene

Fig. 59.

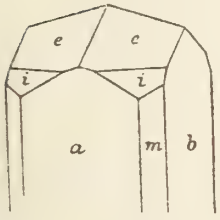
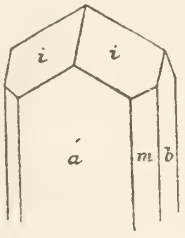


Fig. 60.



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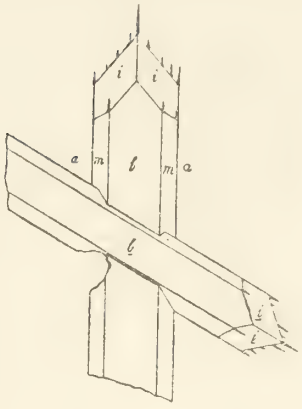

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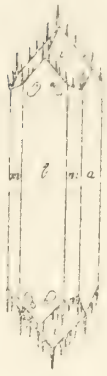

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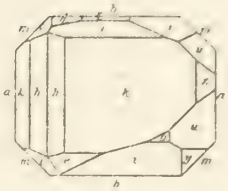


Fig. 64.

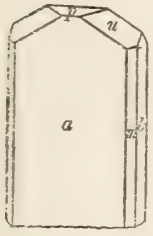


Fig. 65.

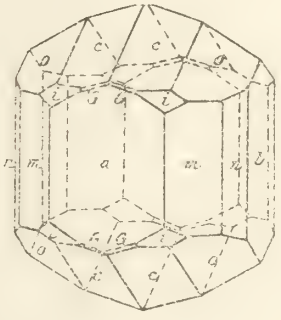


Fig. 66.

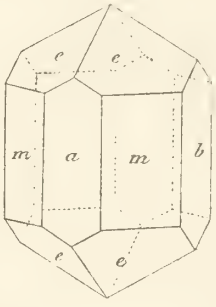
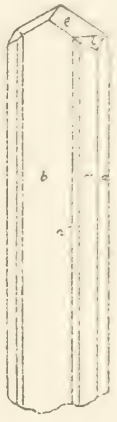


Fig. 67.



Pyroxen-Gruppe
Monokline Pyroxene (Diopsid. Augit. Fassait. Hedenbergit. Schefferit)

Fig. 1.

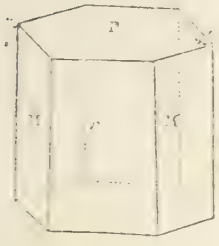


Fig. 2.

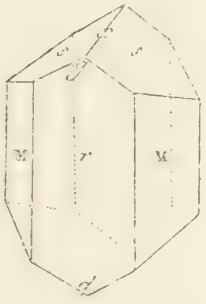
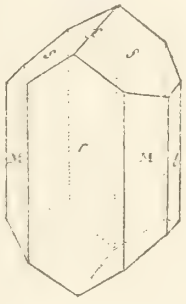


Fig. 3.



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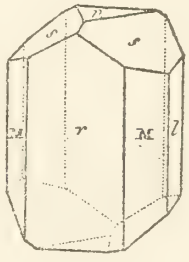

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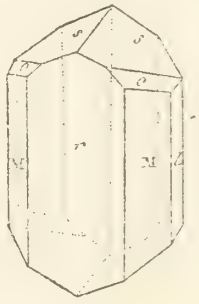

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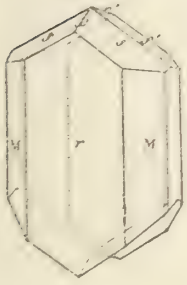

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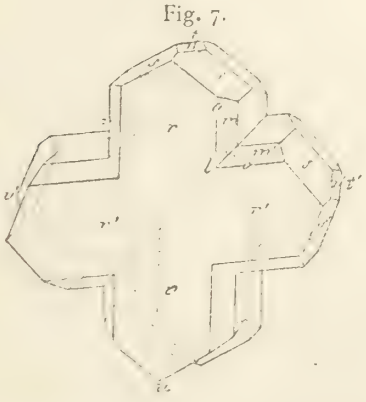

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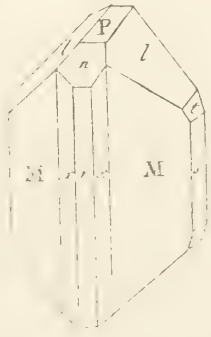
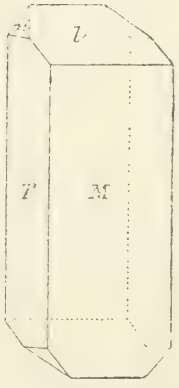


Fig. 9.

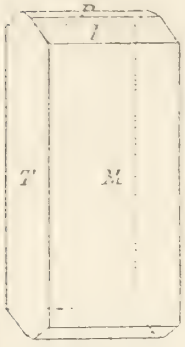
Fig. 10.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 11.



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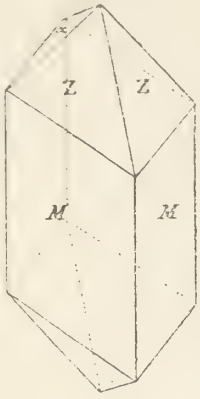

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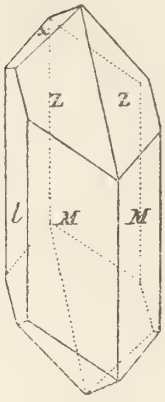

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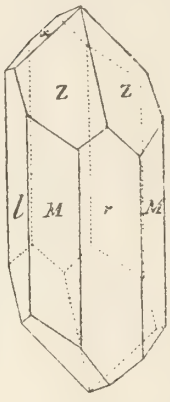

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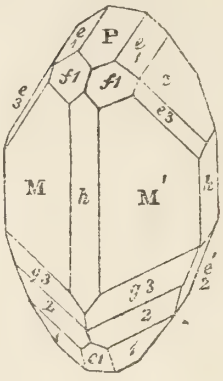

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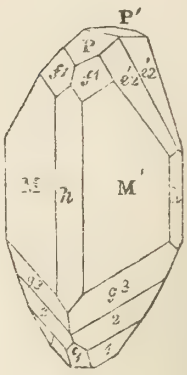

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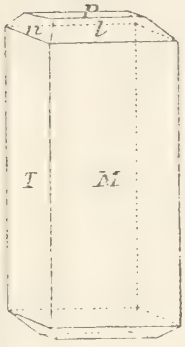

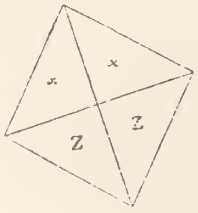

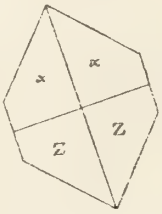

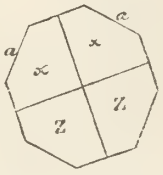

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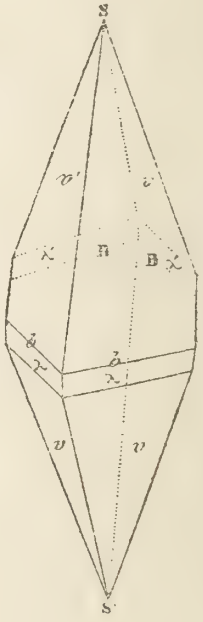

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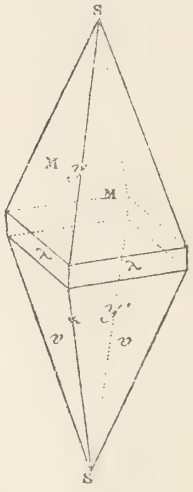

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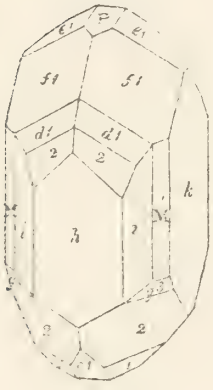

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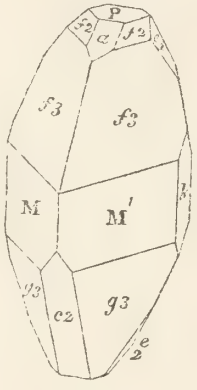

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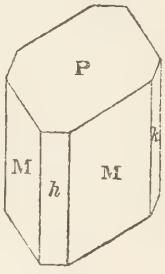

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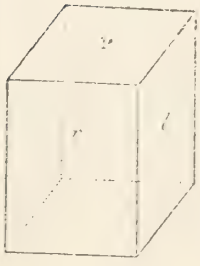

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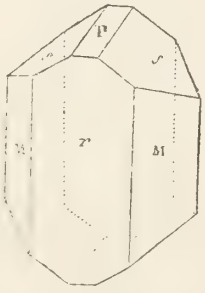

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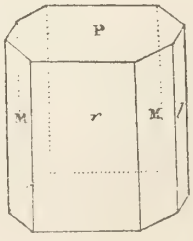

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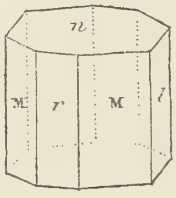

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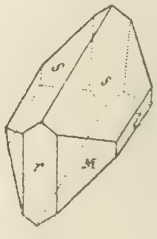
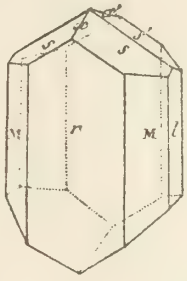


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 28.

Fig. 29.



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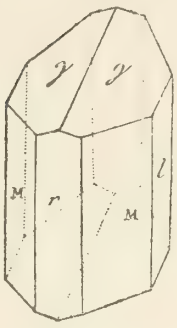

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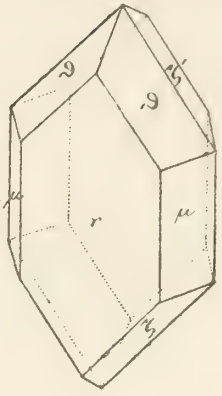

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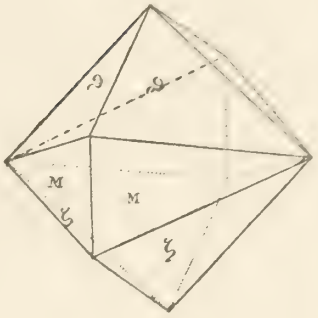

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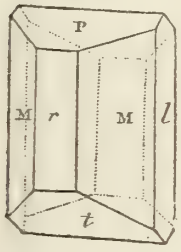

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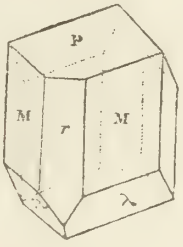

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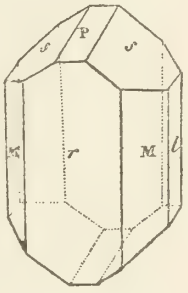

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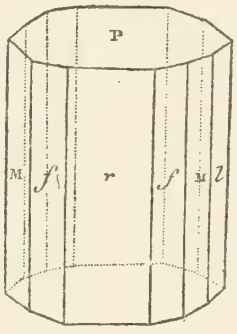

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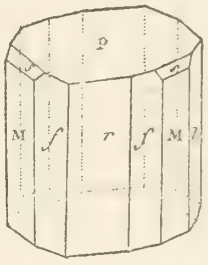

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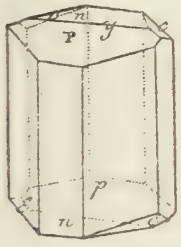

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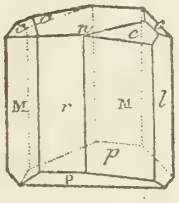

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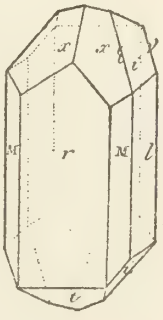

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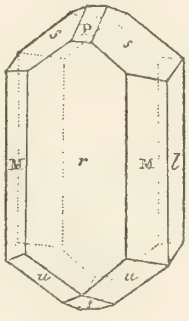

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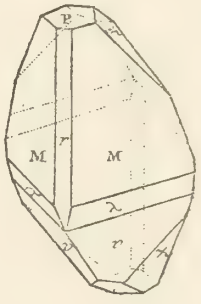

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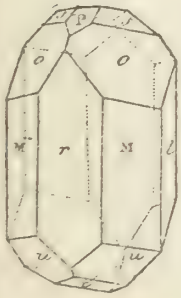

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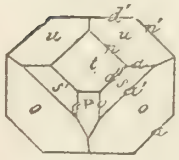

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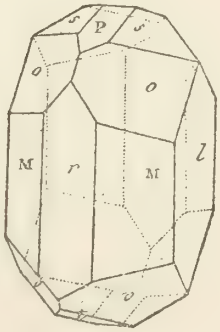

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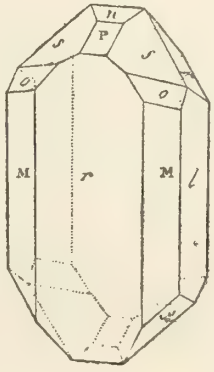

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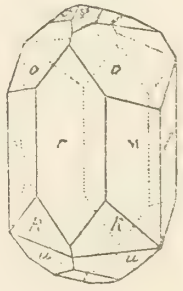
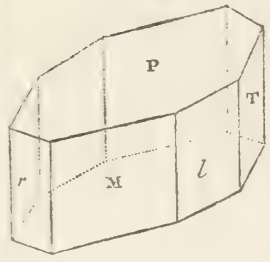


Pyroxen-Gruppe
Monokline Pyroxene

Fig. 48.



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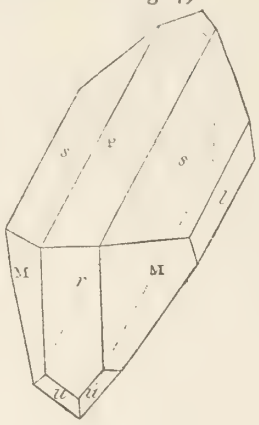

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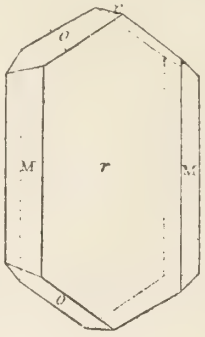

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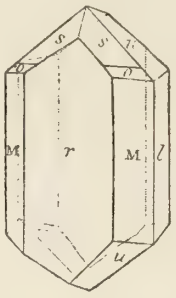

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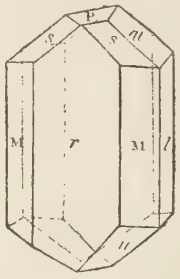

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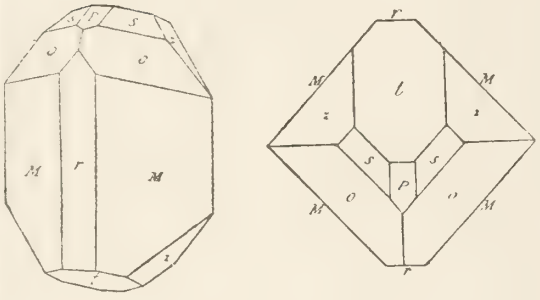

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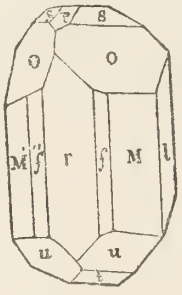

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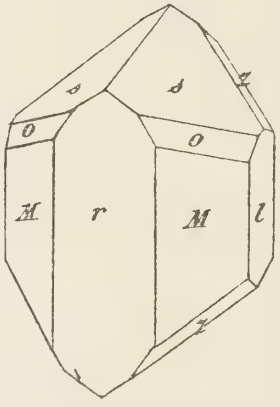
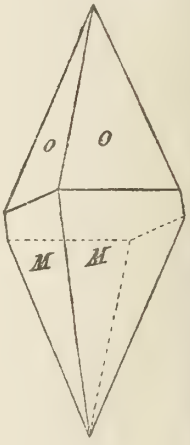


Fig. 56.



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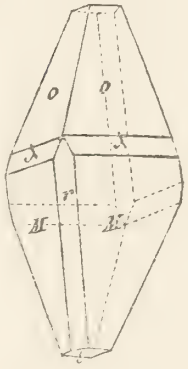

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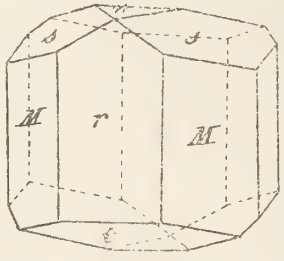

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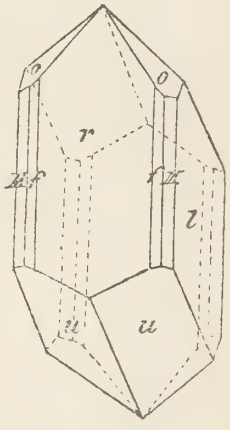

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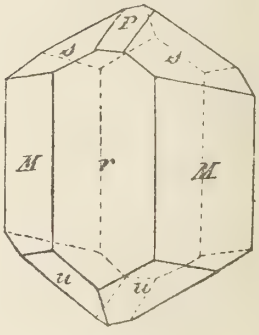

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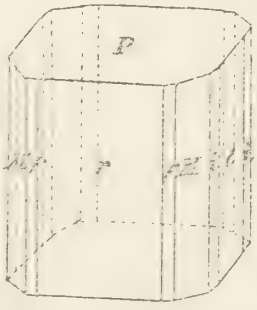

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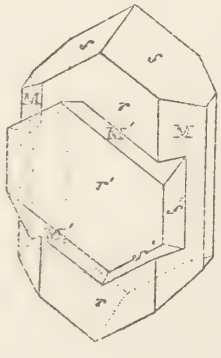

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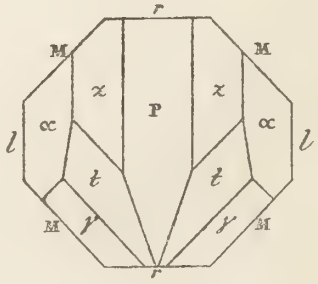

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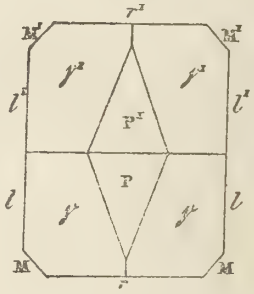
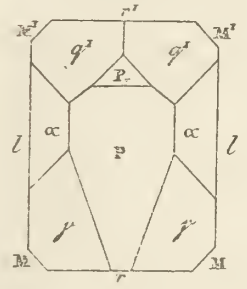


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 65.



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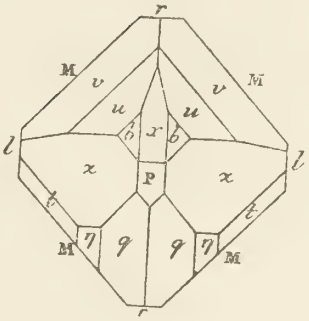

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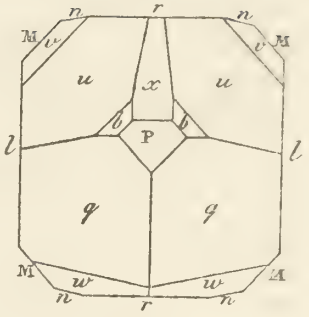

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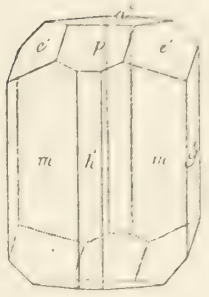

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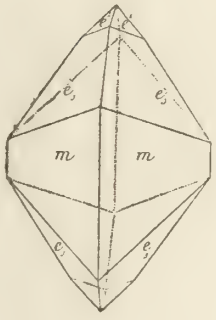

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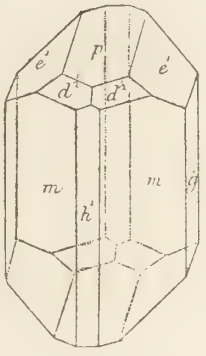

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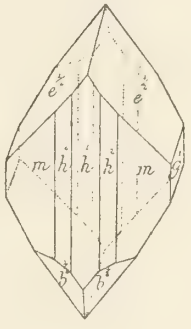

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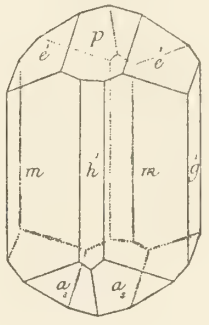

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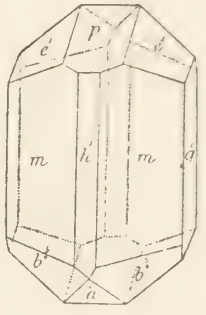

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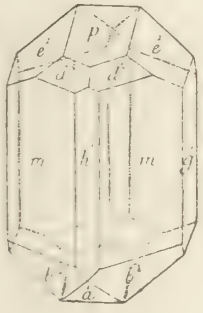

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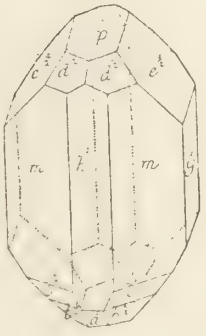

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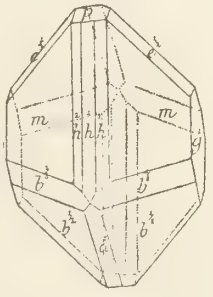

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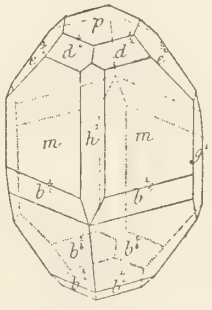

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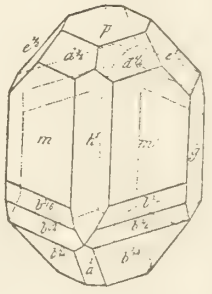

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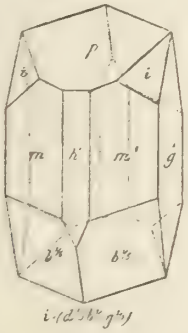

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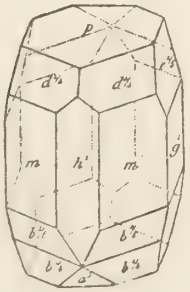

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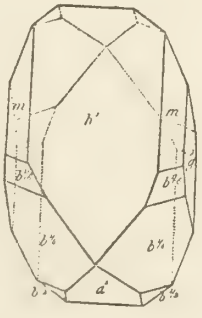

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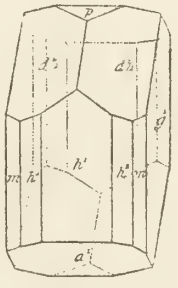

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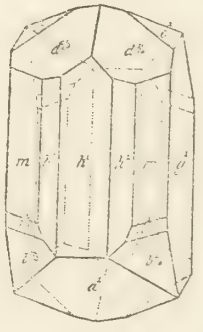


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 84.

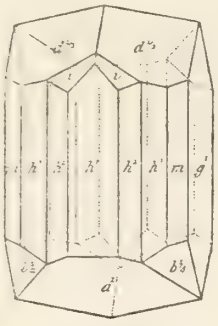
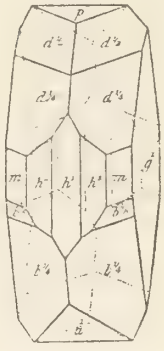


Fig. 85.



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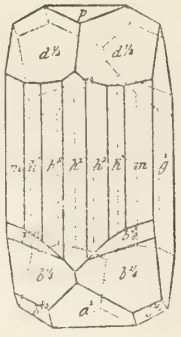

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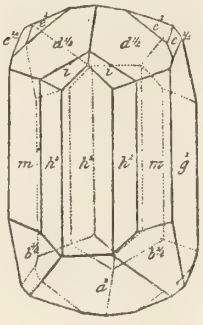

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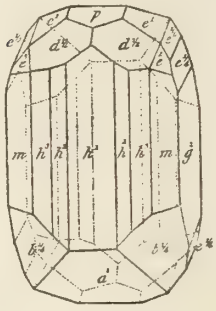

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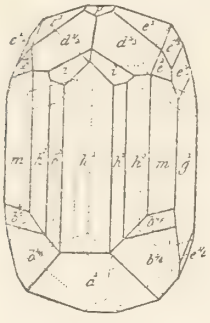

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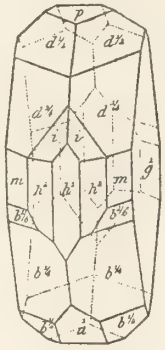

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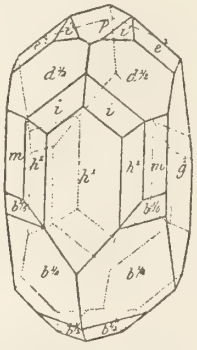

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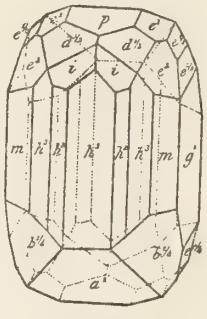

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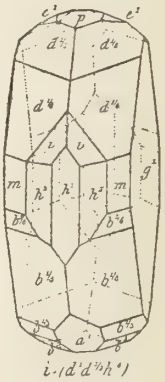

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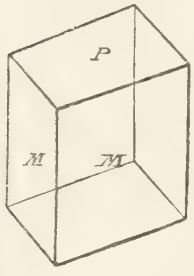

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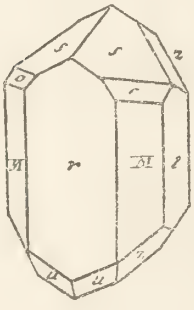


Fig. 96.

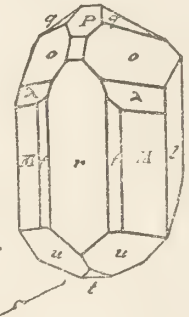


Fig. 97.

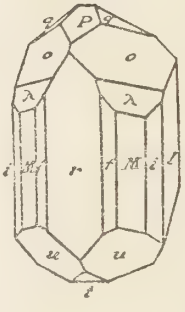
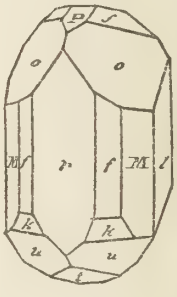


Fig. 98.



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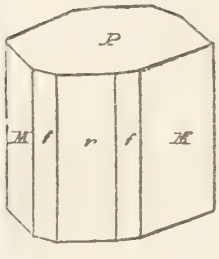
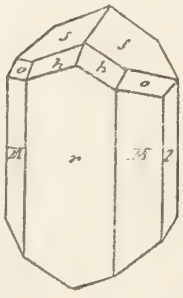


Fig. 100.



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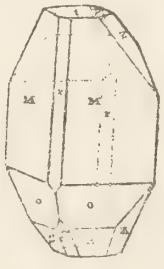

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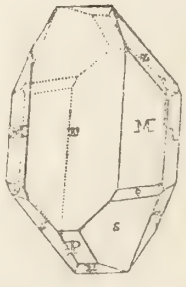

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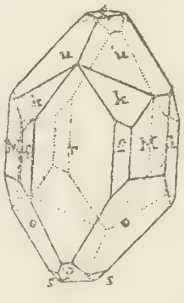

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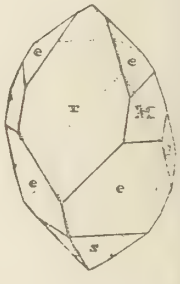
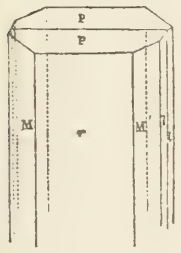


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 105.



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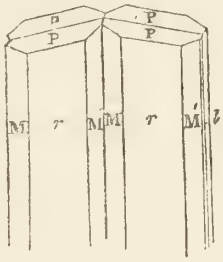

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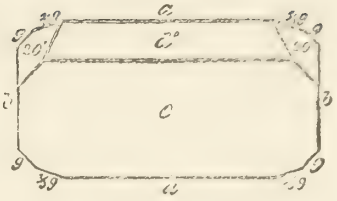

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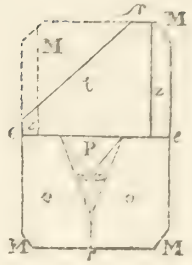

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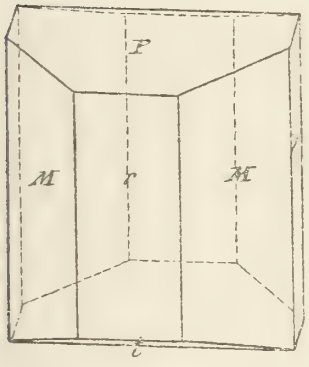


Fig. 110.

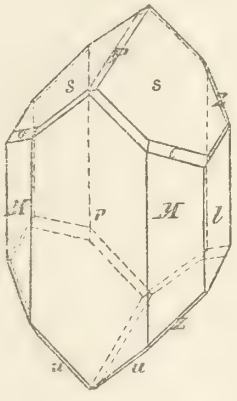


Fig. 111.

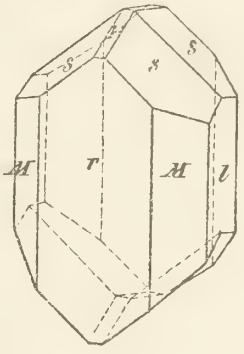


Fig. 112.

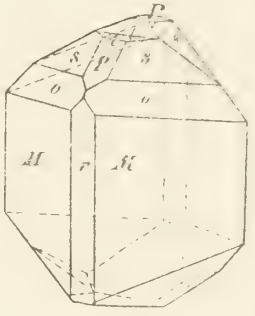
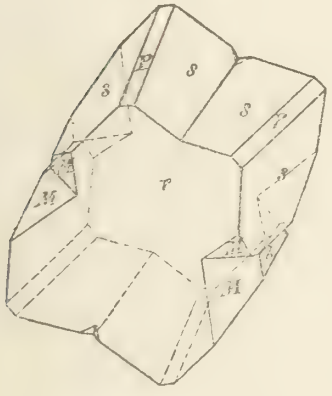


Fig. 113.



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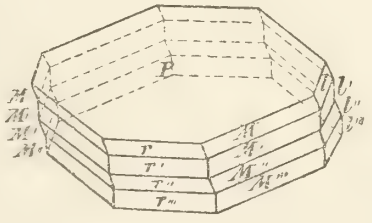

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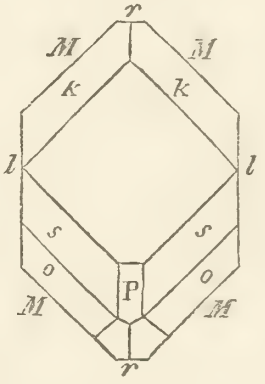


Fig. 116.

Fig. 117.

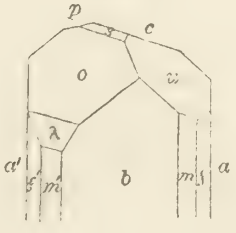


Fig. 118.

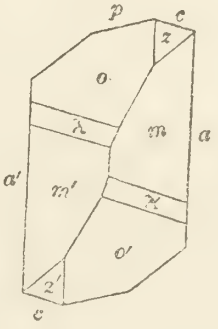
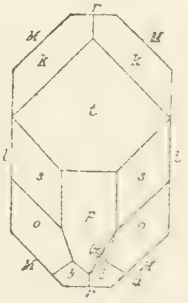


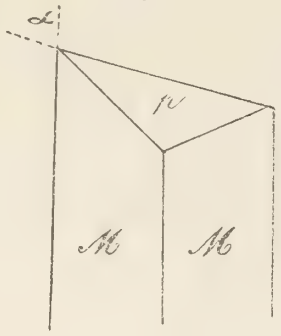
Fig. 119.



Pyroxen-Gruppe
Monokline Pyroxene

Fig. 120.

Fig. 121.



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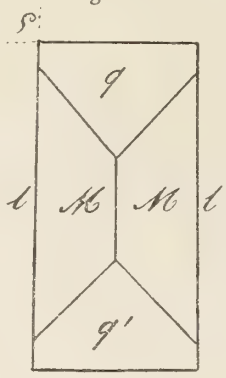

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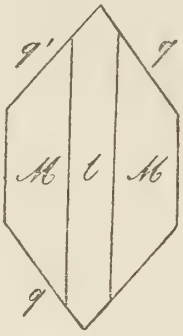

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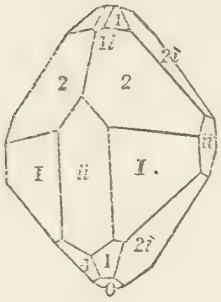

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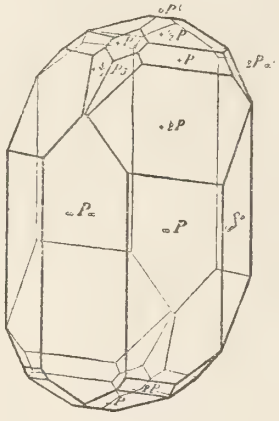

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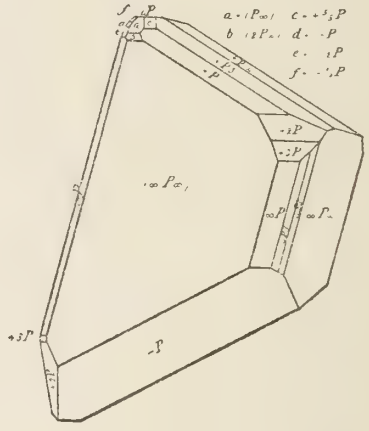


Fig. 127.

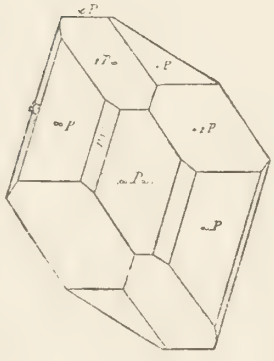
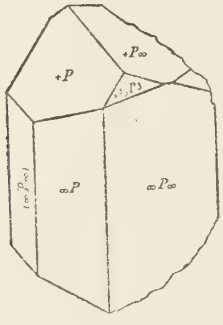


Fig. 128.



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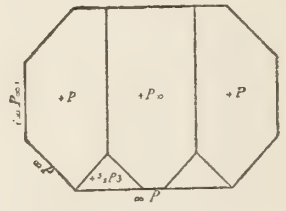
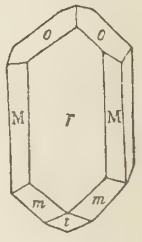


Fig. 130.



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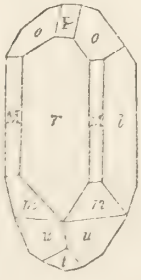


Fig. 132.

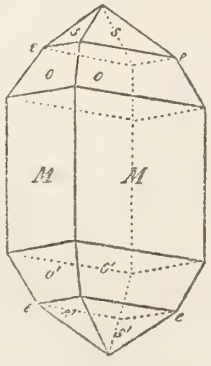


Fig. 133.

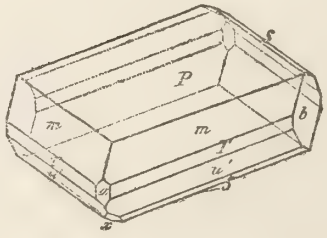
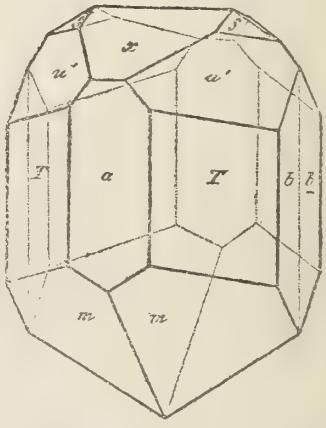


Fig. 134.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 135.

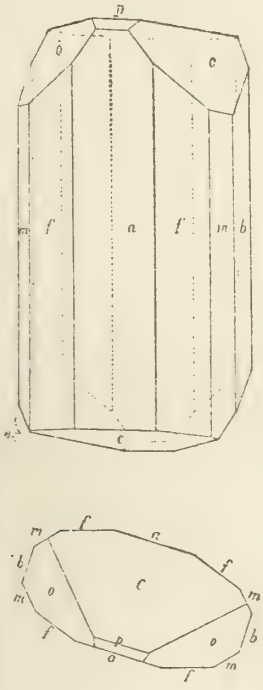


Fig. 136.

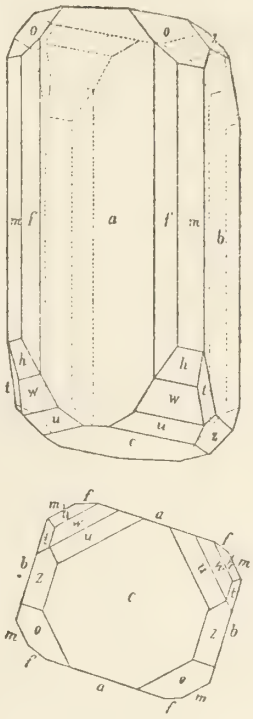


Fig. 137.

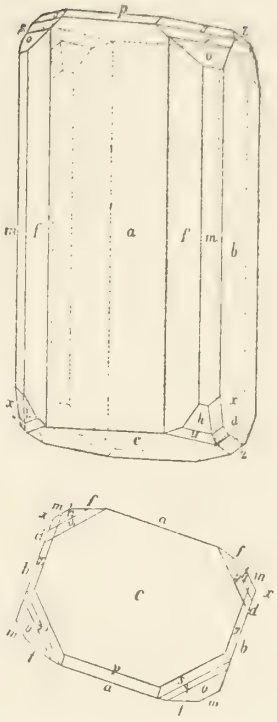


Fig. 138.

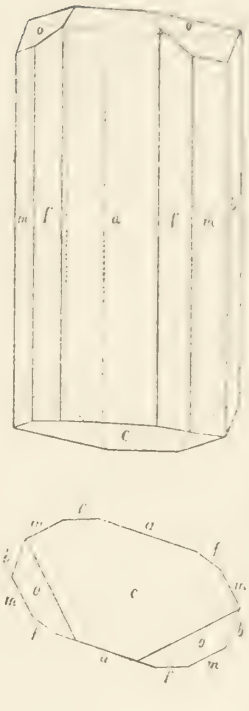
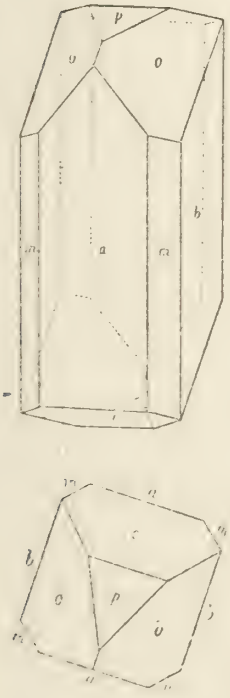


Fig. 139.



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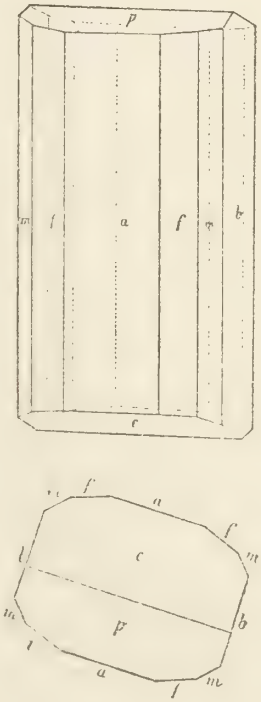

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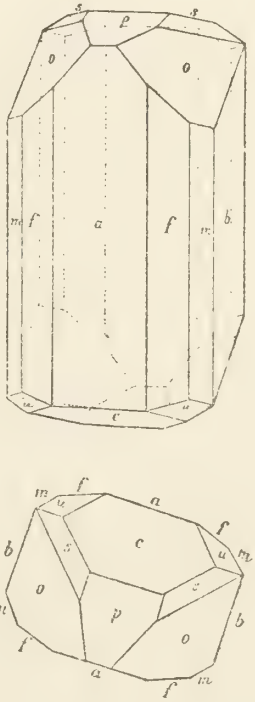

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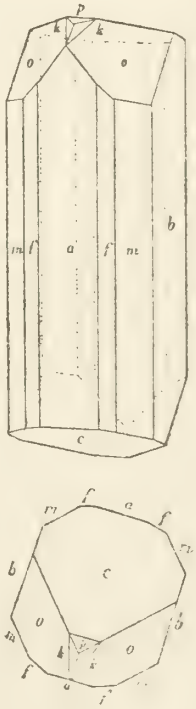


Pyroxen-Gruppe
Monokline Pyroxene

Fig. 143.

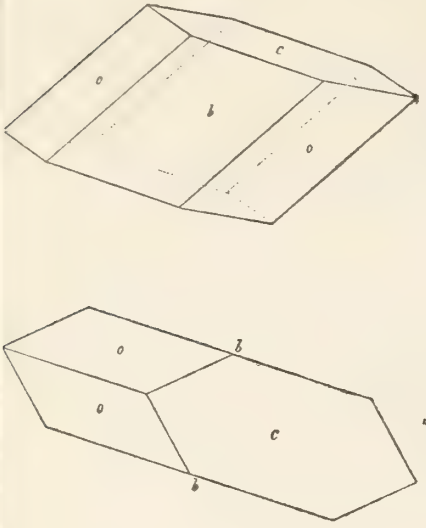


Fig. 144.

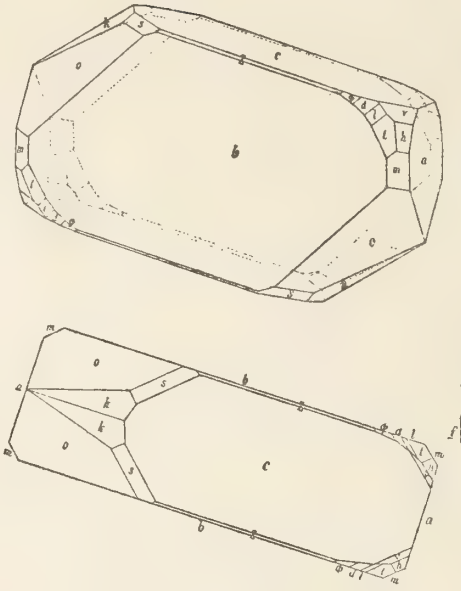


Fig. 145.

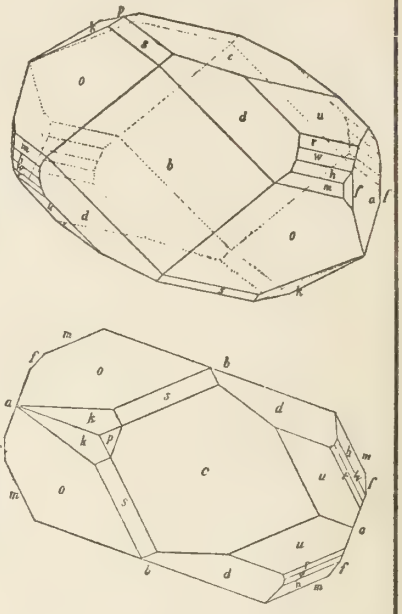
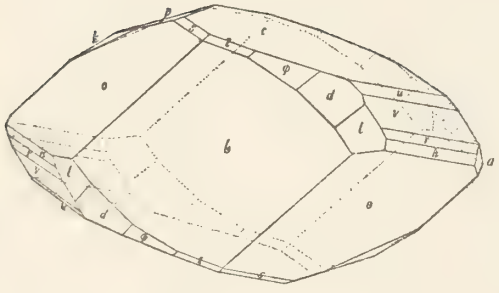


Fig. 146.



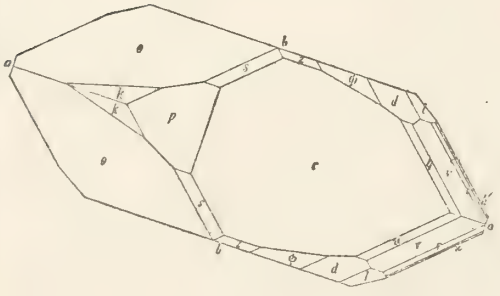
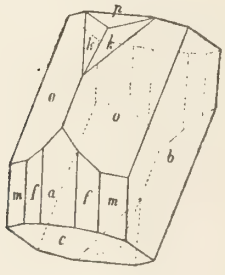


Fig. 147.



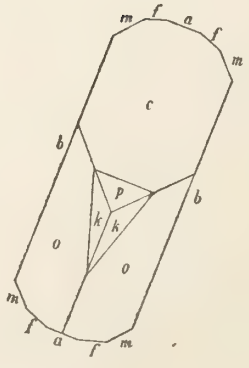
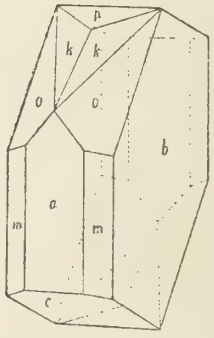
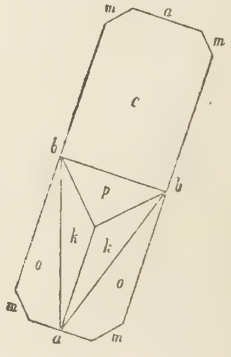


Fig. 148.





Pyroxen-Gruppe

Monokline Pyroxene

Fig. 149.

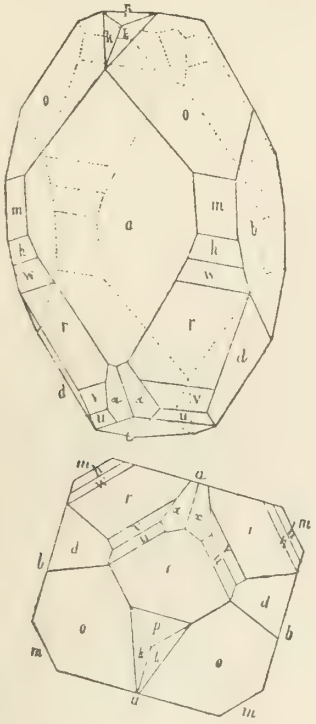


Fig. 150.

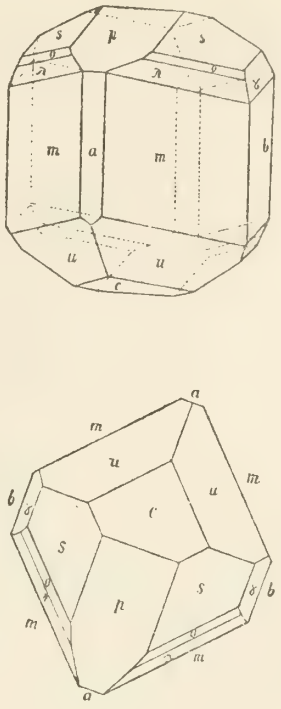


Fig. 151.

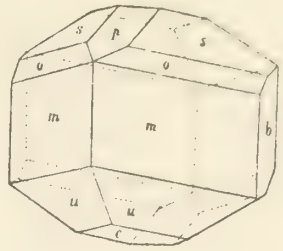


Fig. 152.

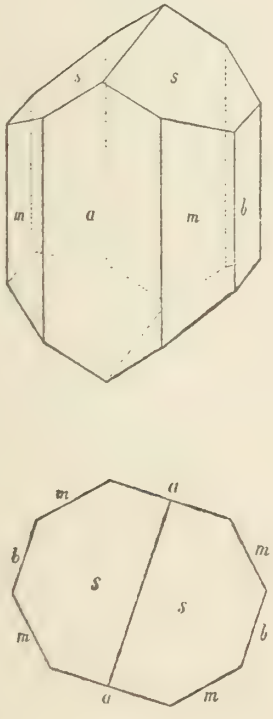


Fig. 153.

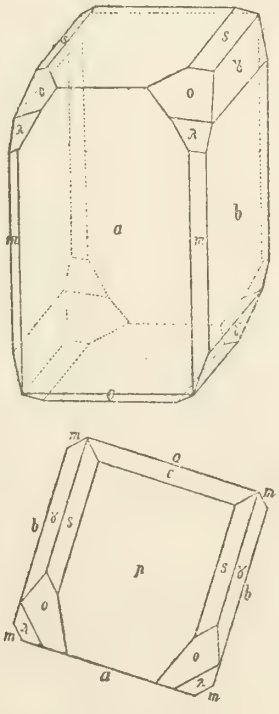
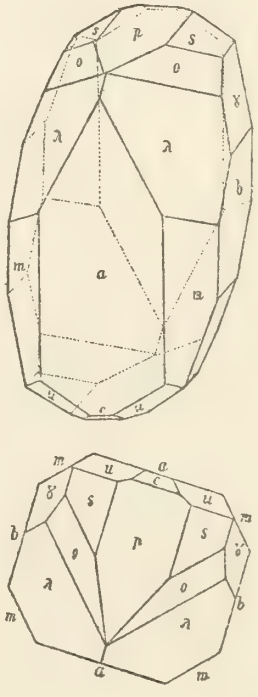


Fig. 154.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 155.

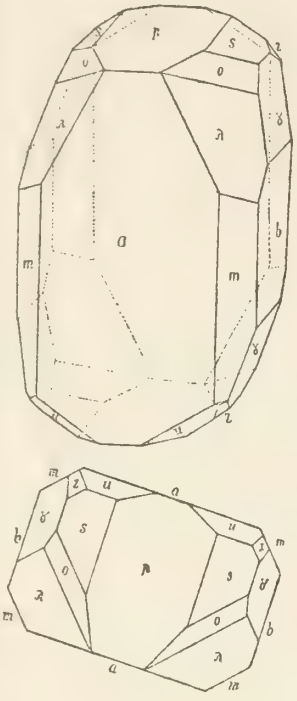


Fig. 156.

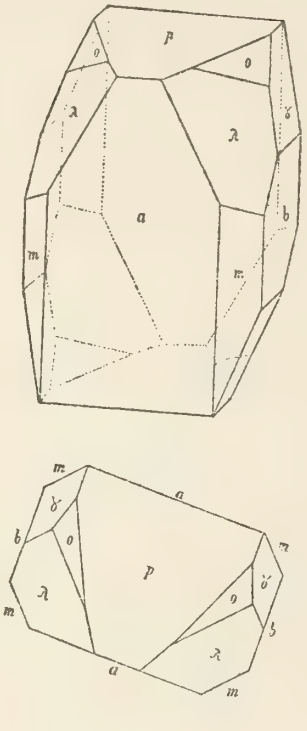


Fig. 157.

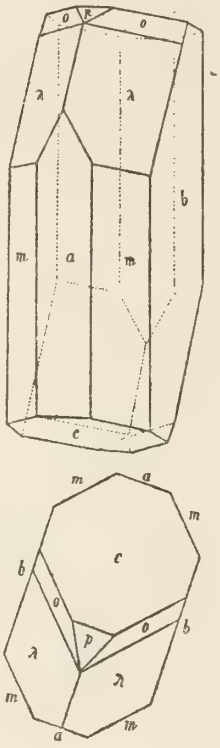


Fig. 158.

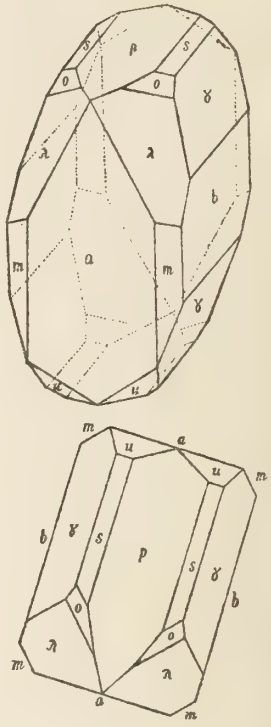


Fig. 159.

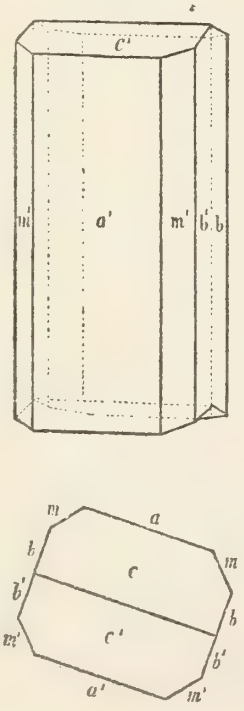


Fig. 160.

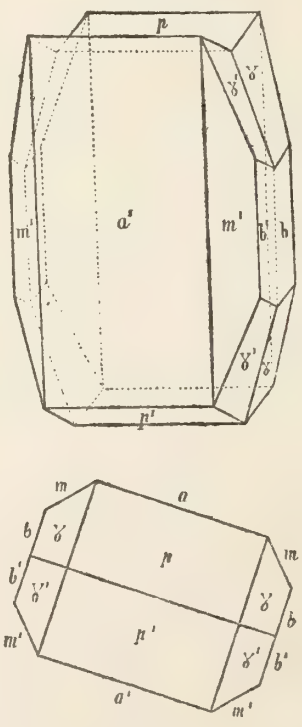
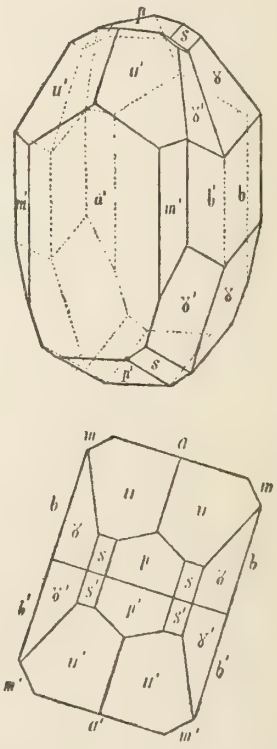


Fig. 161.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 162.

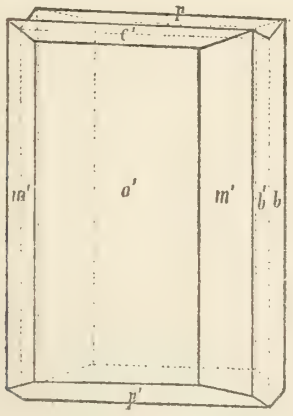
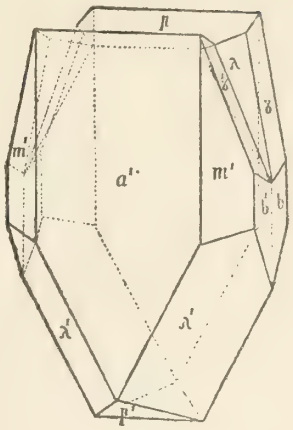


Fig. 163.



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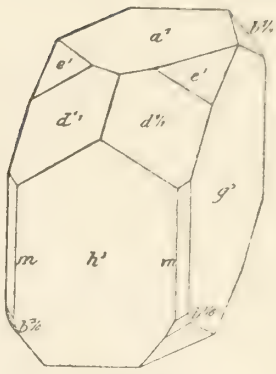

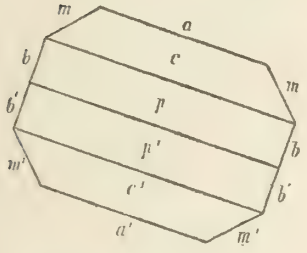

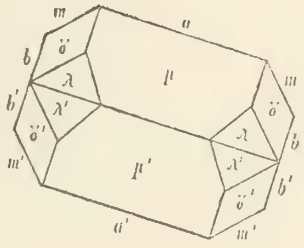

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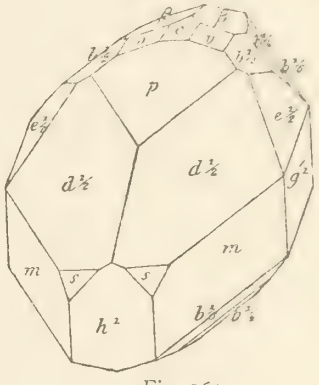

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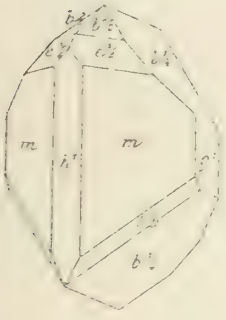

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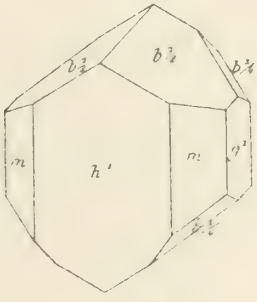

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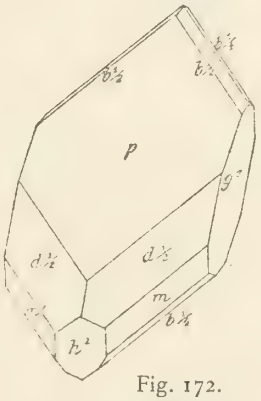

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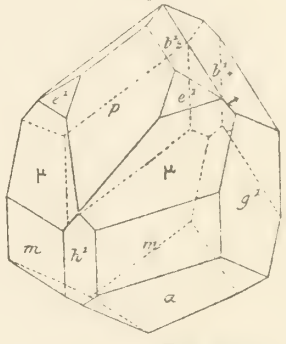

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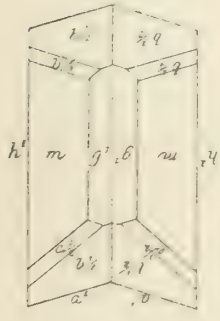

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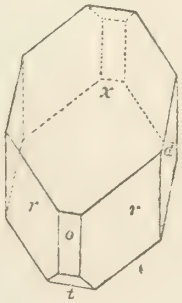

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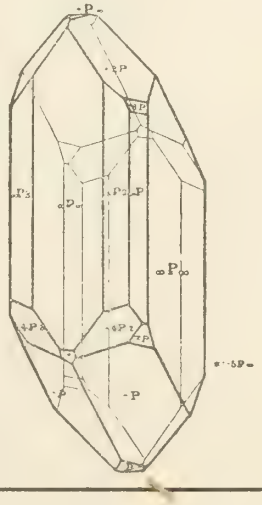

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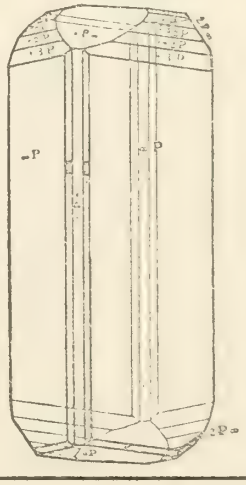


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 174.

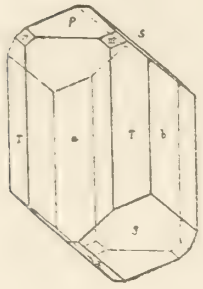
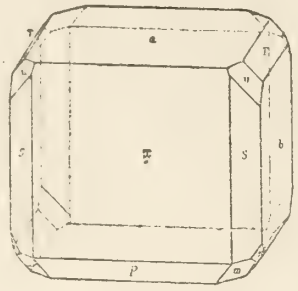


Fig. 175.



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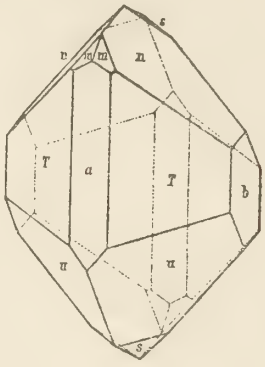

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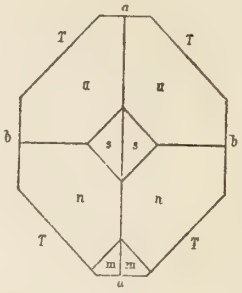

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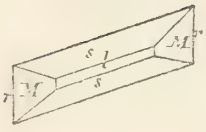

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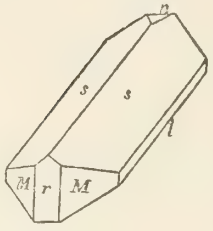

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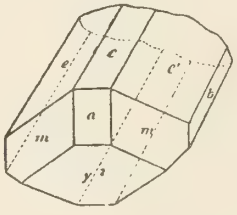

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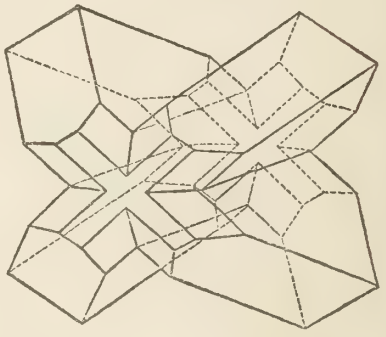

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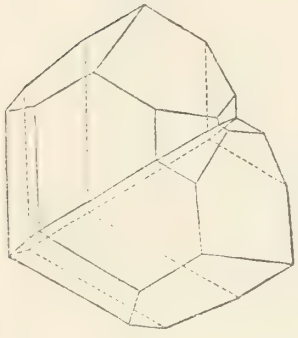

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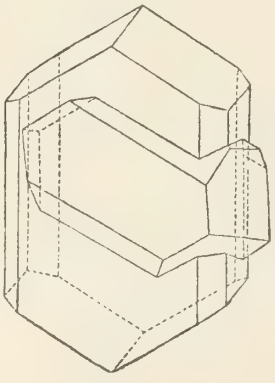

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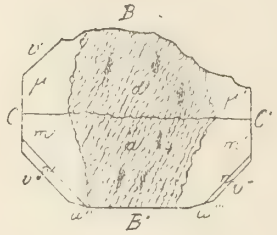

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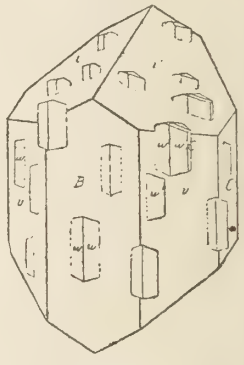

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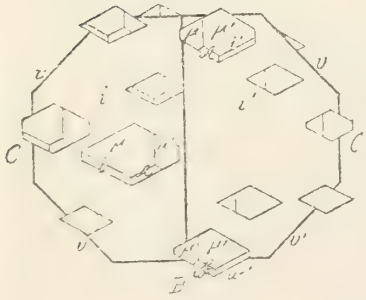

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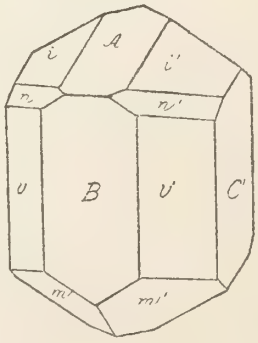


Fig. 188.

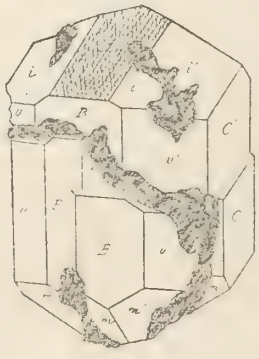
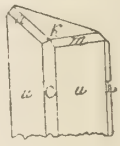


Fig. 189.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 190.

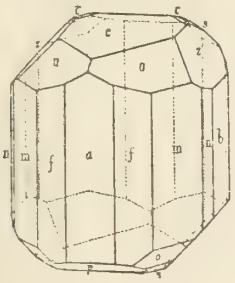


Fig. 191.

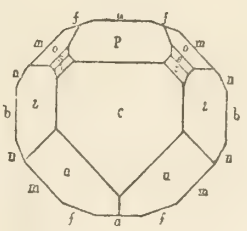


Fig. 192.

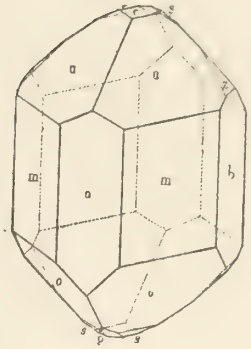
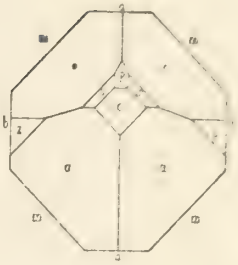


Fig. 193.



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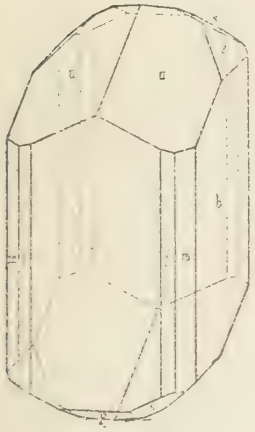

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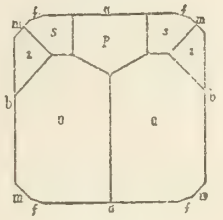

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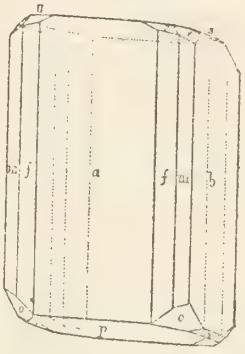


Fig. 197.

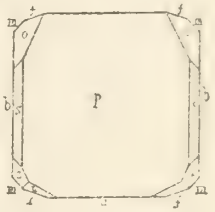


Fig. 198.

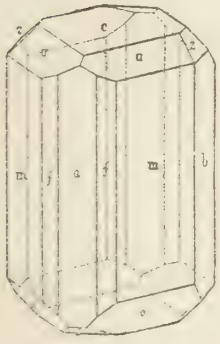


Fig. 199.

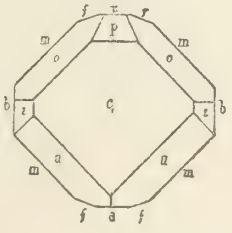
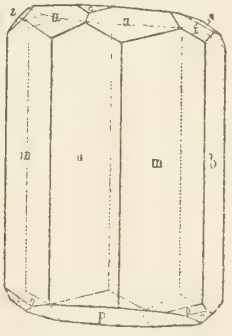


Fig. 200.



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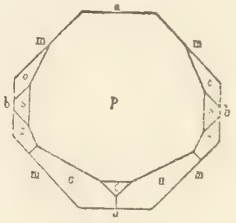
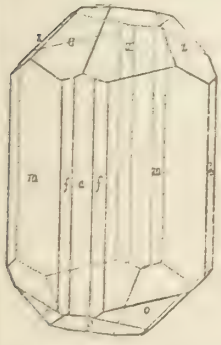


Fig. 202.



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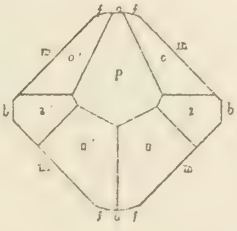

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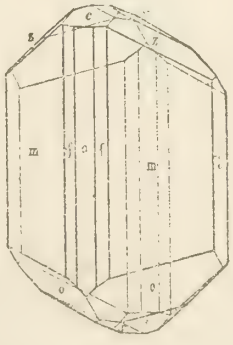
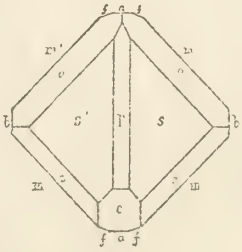


Fig. 205.



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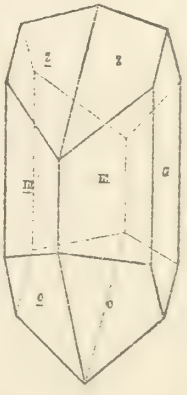


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 207.

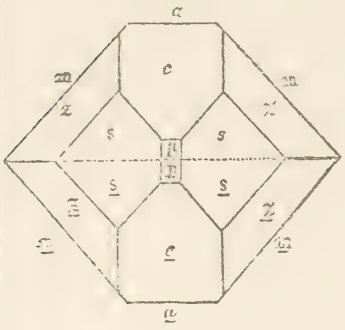
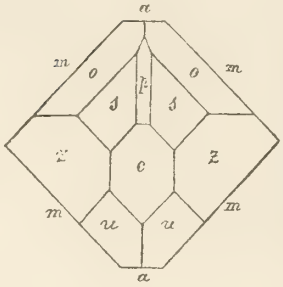


Fig. 208.



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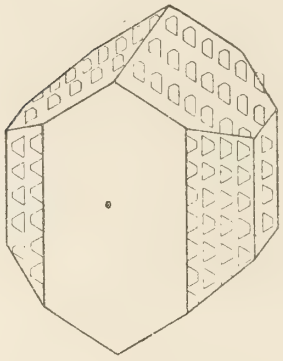
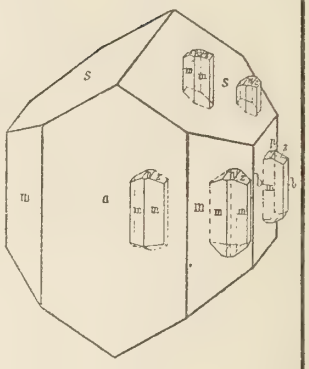


Fig. 210.



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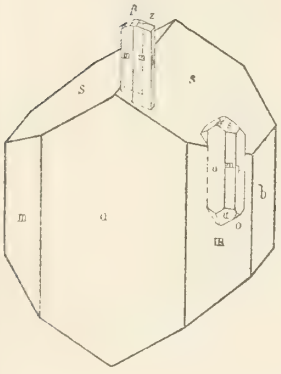

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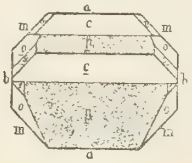

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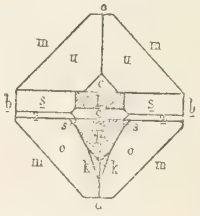


Fig. 214.

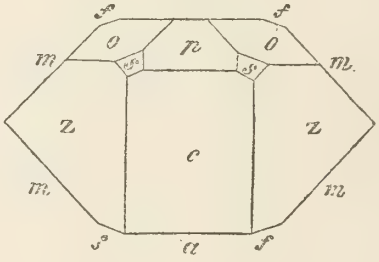
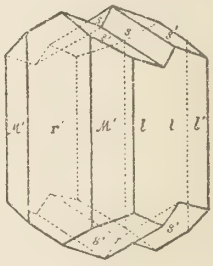


Fig. 215.



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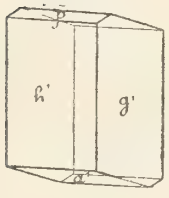

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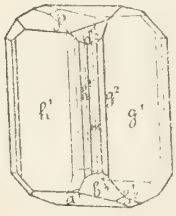

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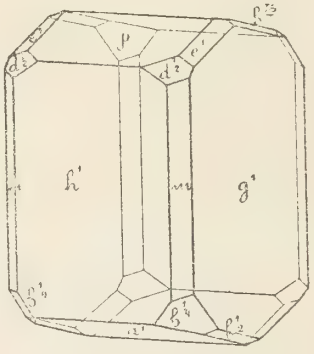

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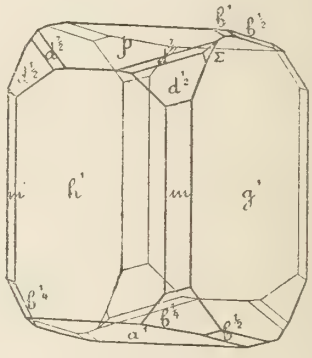

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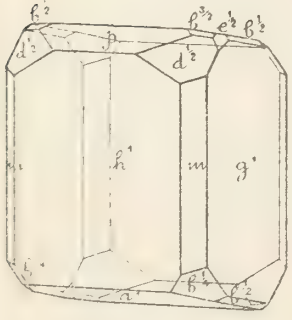

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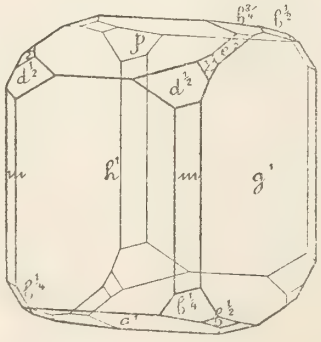

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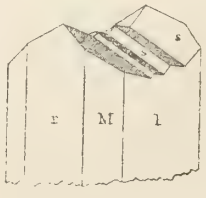

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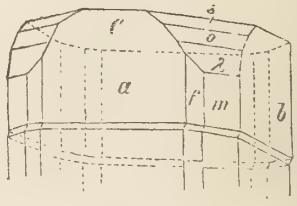
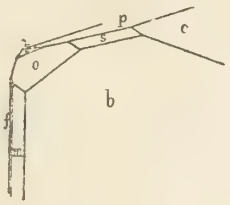


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 224.



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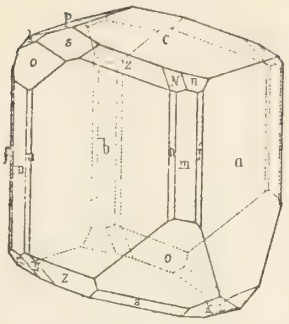

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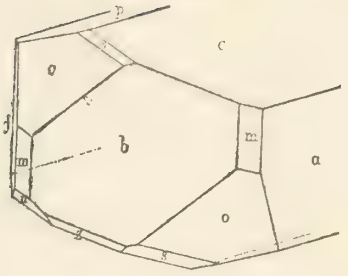

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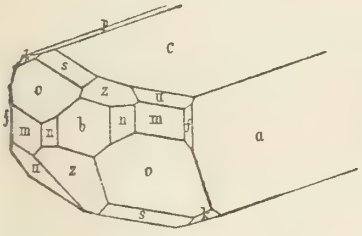

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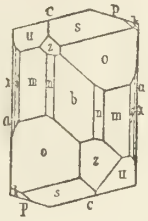

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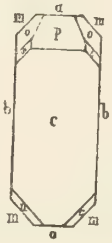

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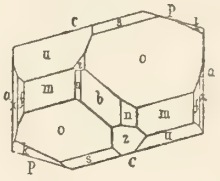

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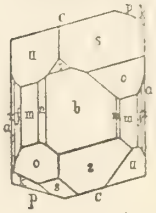
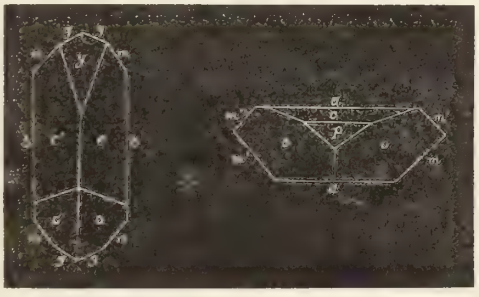


Fig. 232.

Fig. 233.



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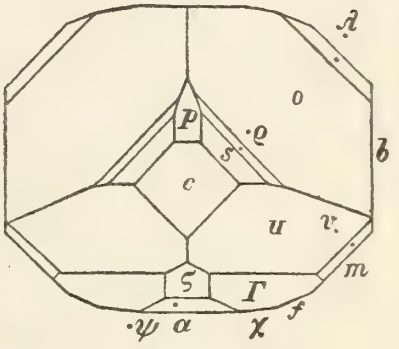

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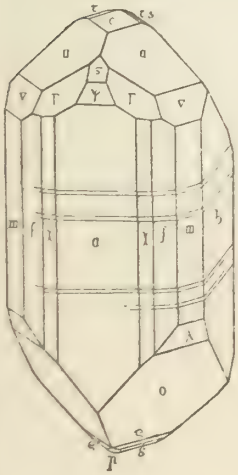

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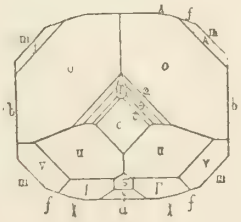

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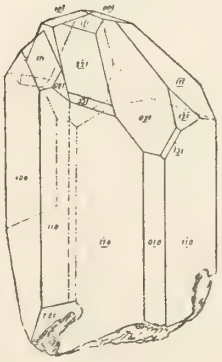

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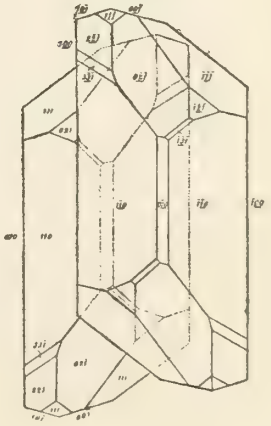
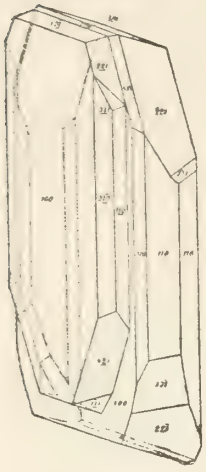


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 239.



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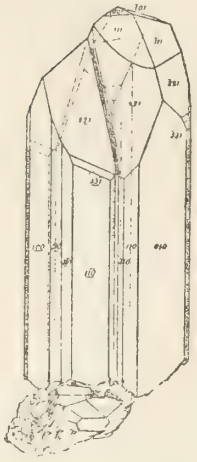

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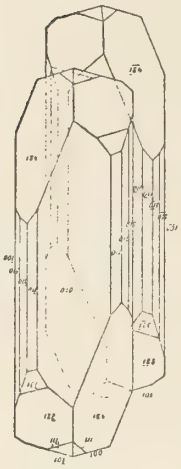

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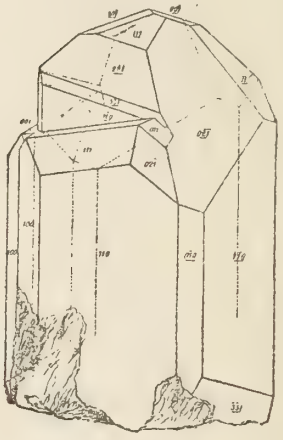

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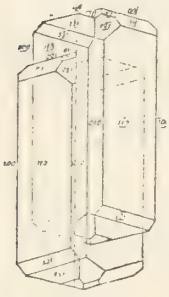

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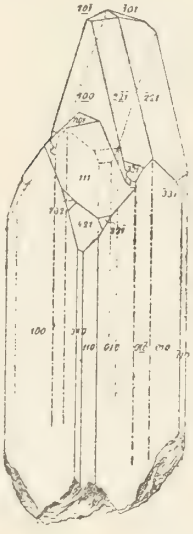

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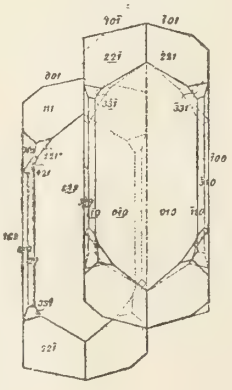

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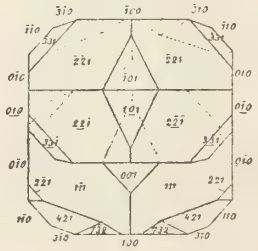

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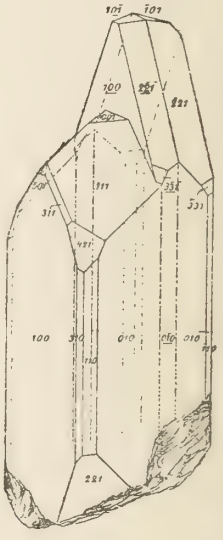

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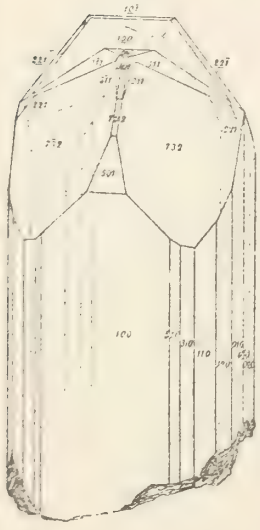

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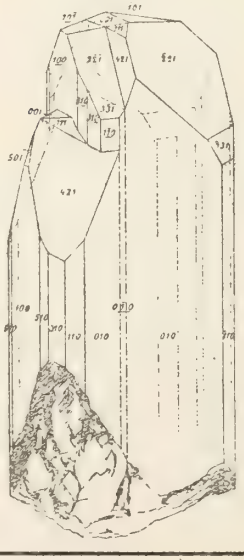

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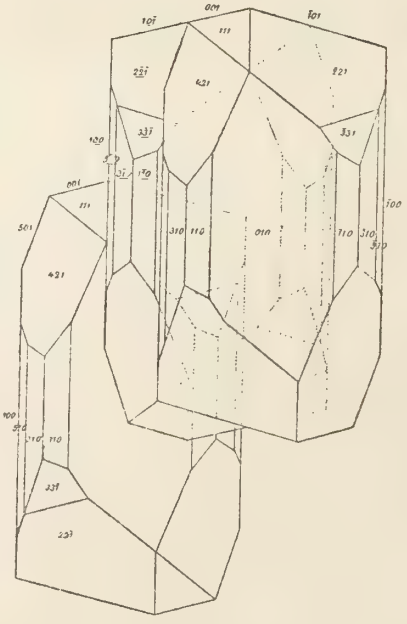
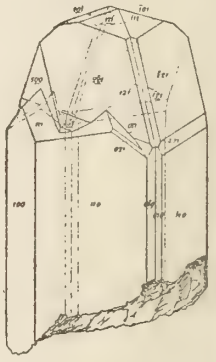


Fig. 251.

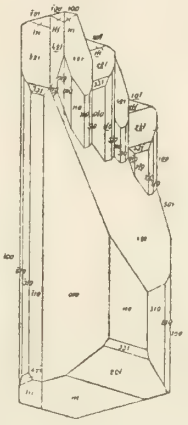


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 252.

Fig. 253.



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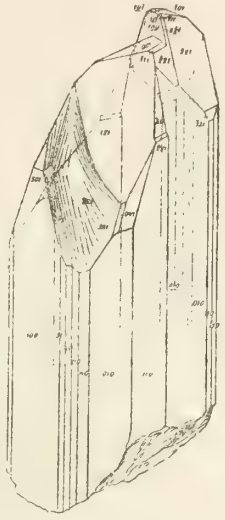


Fig. 255.

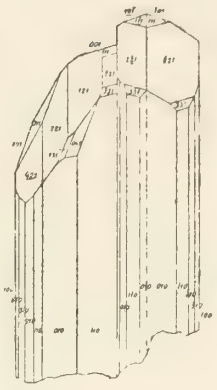


Fig. 256.

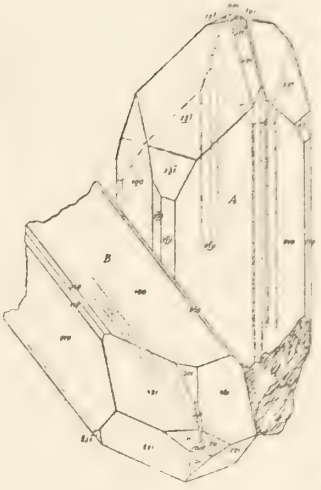
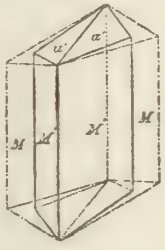


Fig. 257.



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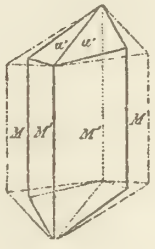
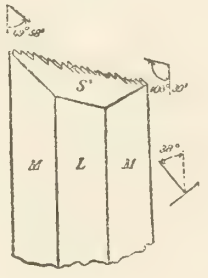


Fig. 259.

Fig. 260.



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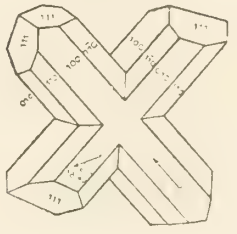

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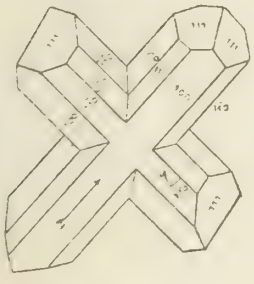

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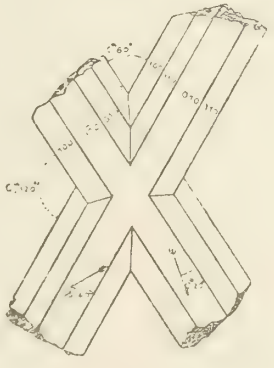

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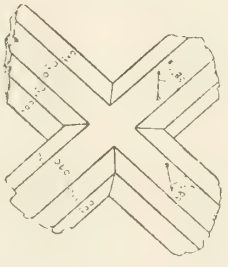


Fig. 265.

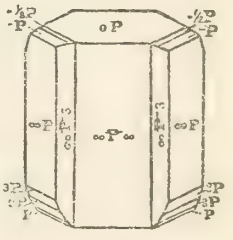


Fig. 266.

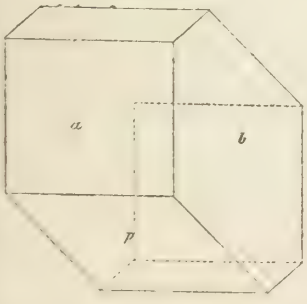


Fig. 267.

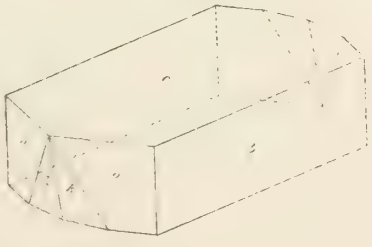
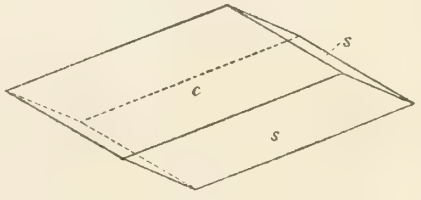


Fig. 268.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 269.

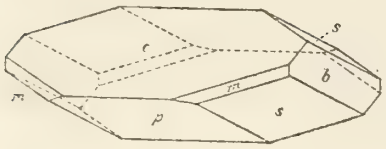


Fig. 270.

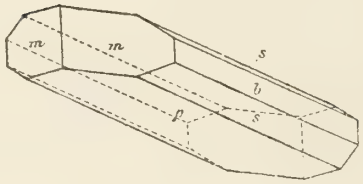


Fig. 271.

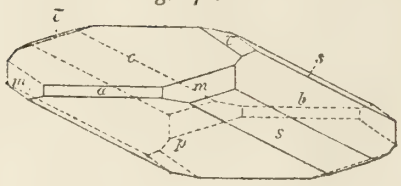
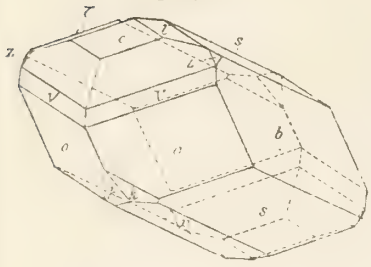


Fig. 272.



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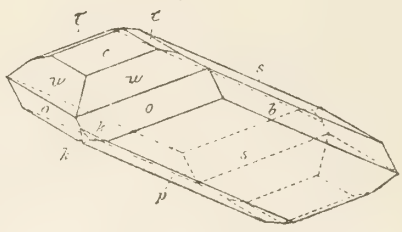

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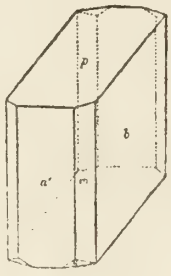

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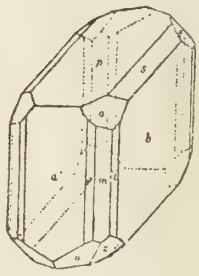

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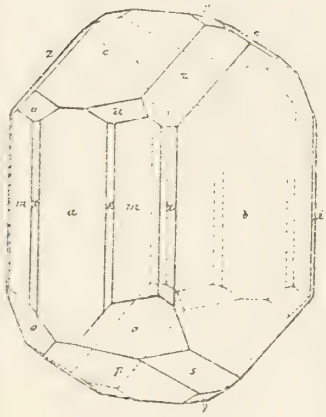

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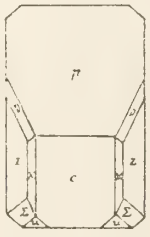

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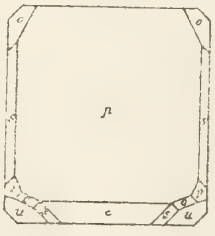

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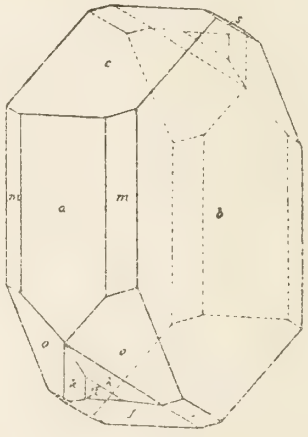

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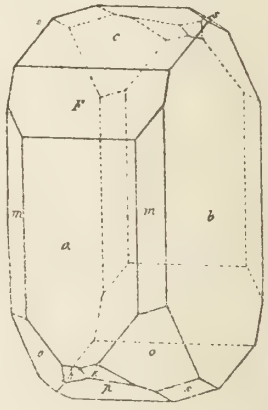

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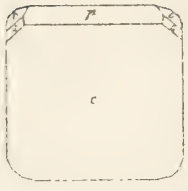
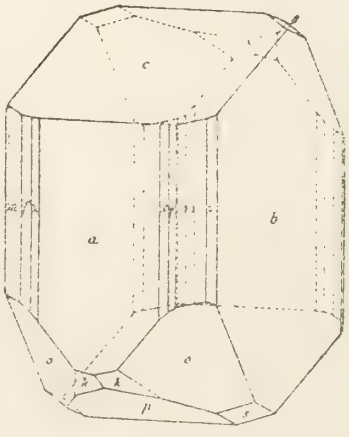


Fig. 282.

Fig. 283.



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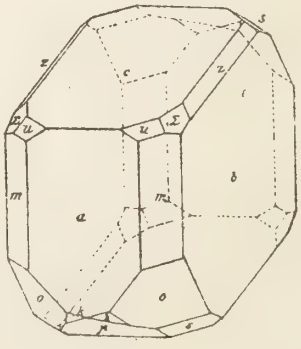

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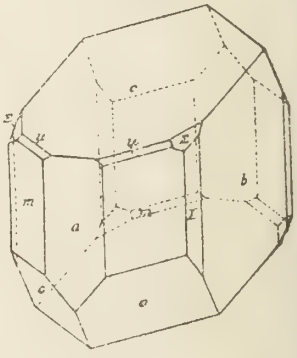
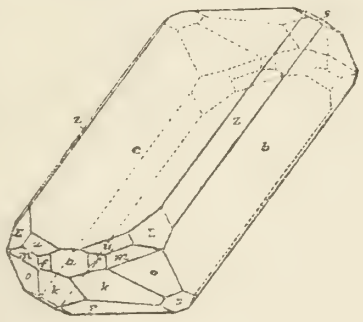


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 286.



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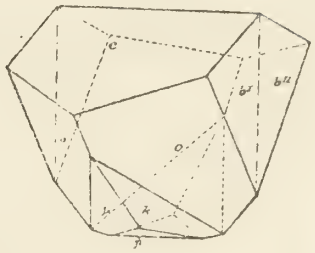

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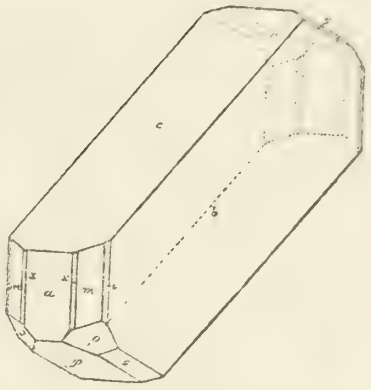

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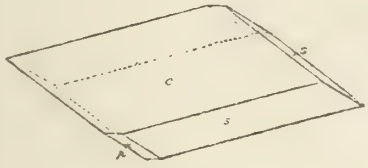

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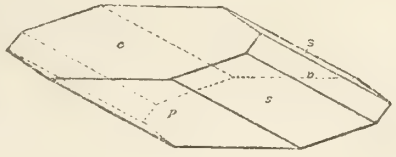

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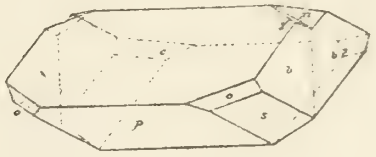

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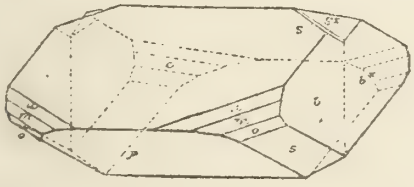

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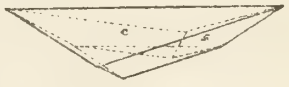

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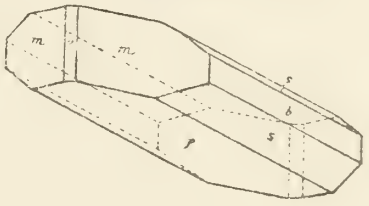

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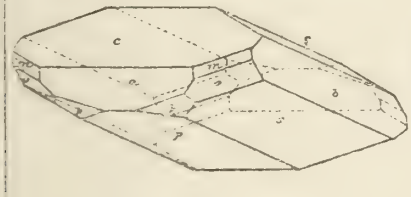

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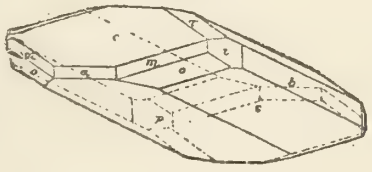

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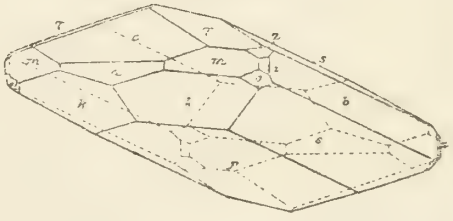

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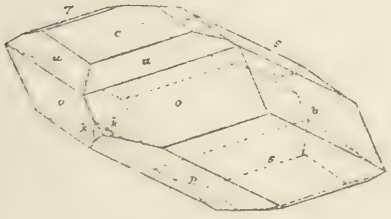

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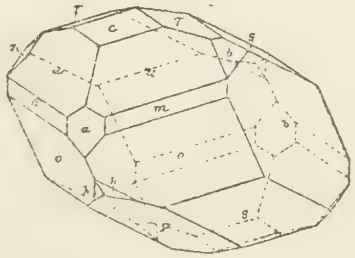

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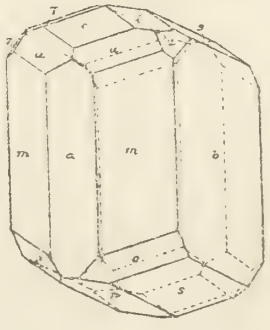
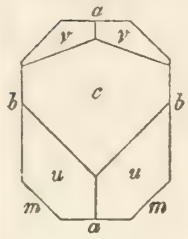


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 301.



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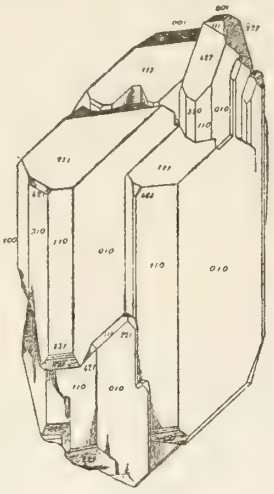

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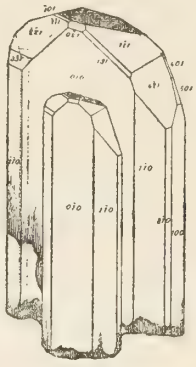

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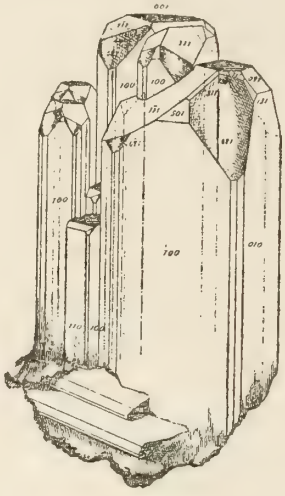

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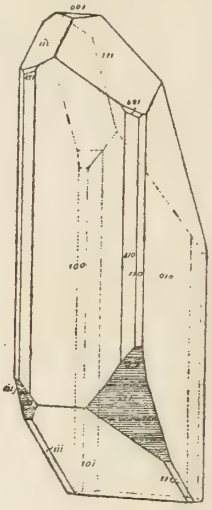

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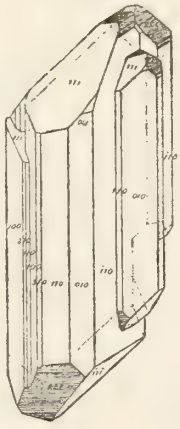

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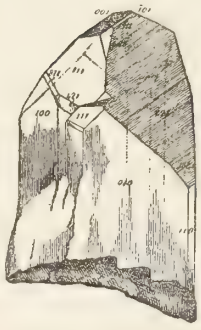

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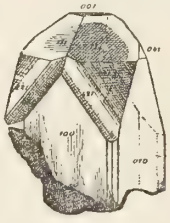

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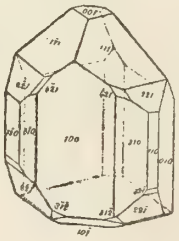
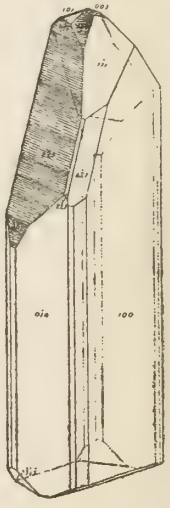


Fig. 310.



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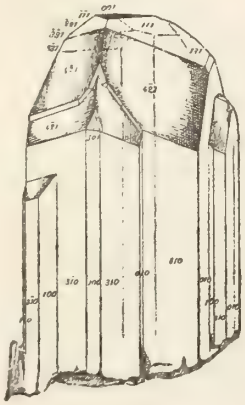

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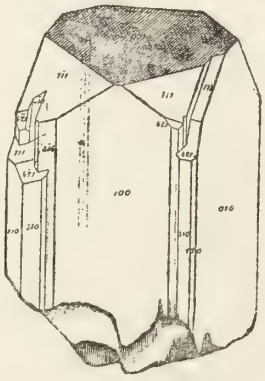

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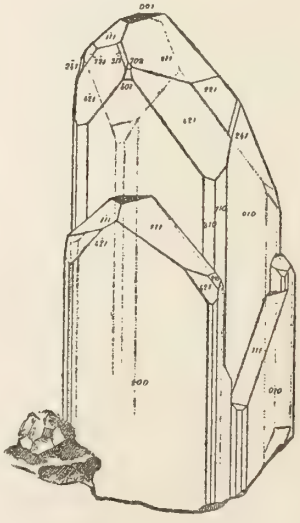

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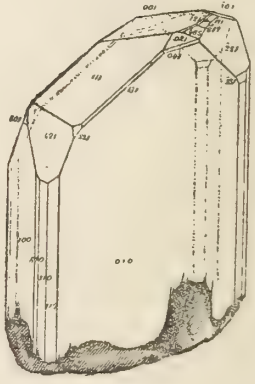


Pyroxen-Gruppe
Monokline Pyroxene

Fig. 315.

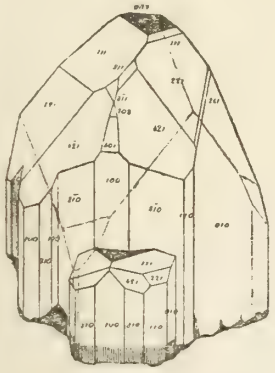
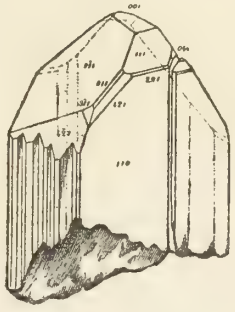


Fig. 316.



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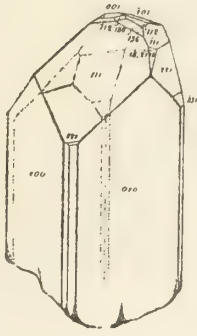
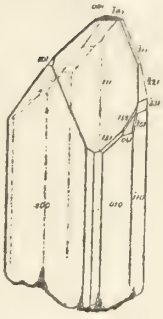


Fig. 318.



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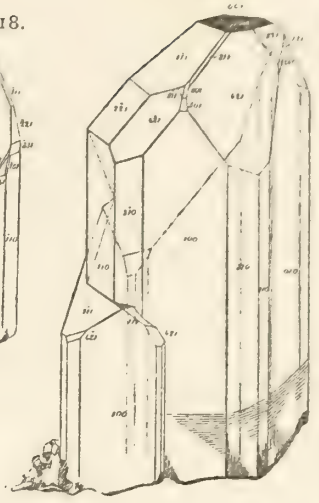

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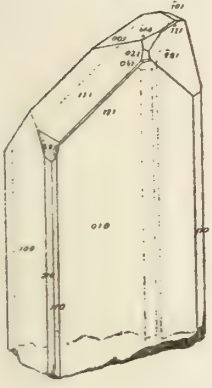

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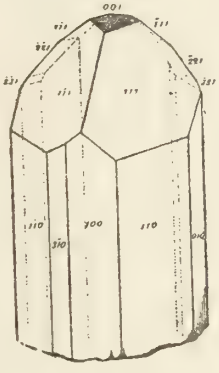

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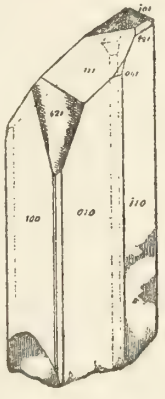

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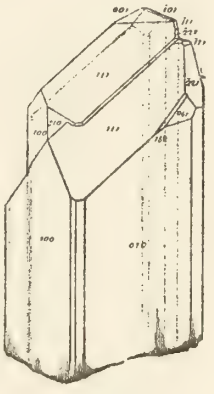

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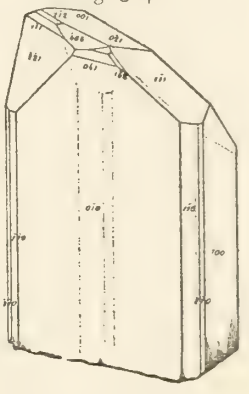

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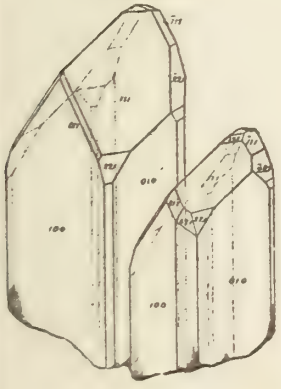

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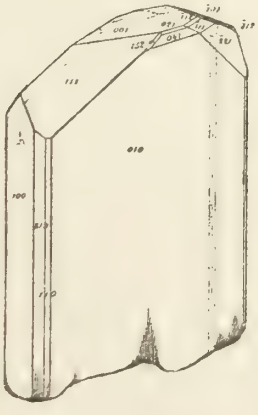


Fig. 327.

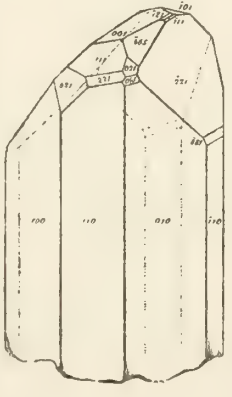
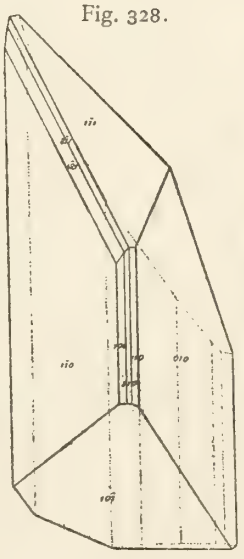


Fig. 328.



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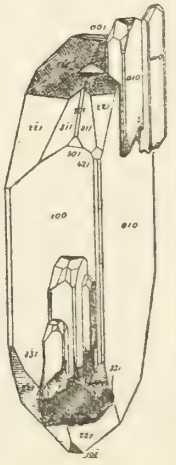
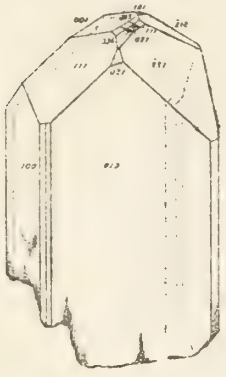


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 330.



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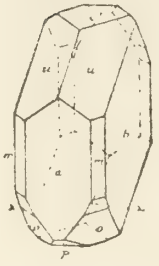

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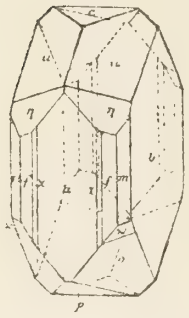

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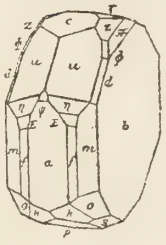

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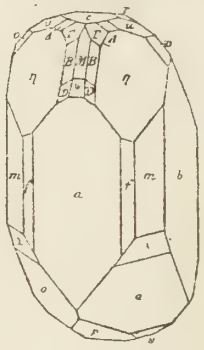

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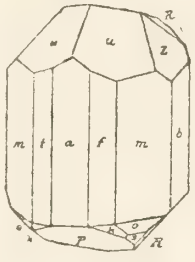

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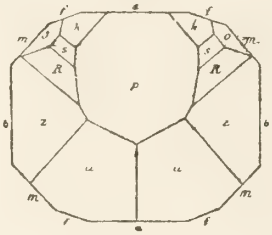


Fig. 337.

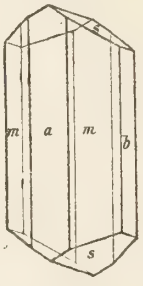
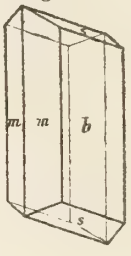


Fig. 338.



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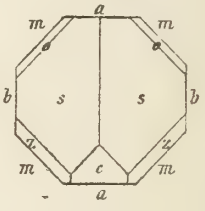


Fig. 340.

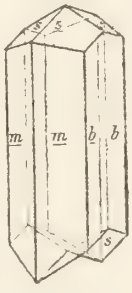
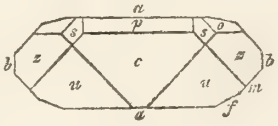


Fig. 341.



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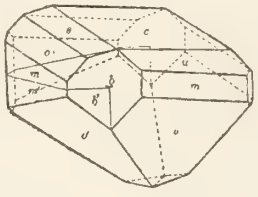

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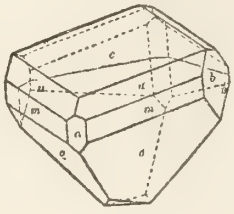

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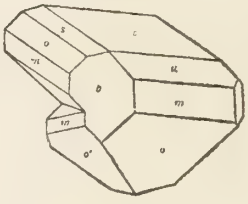

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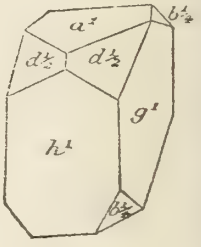

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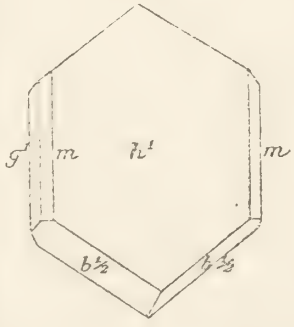

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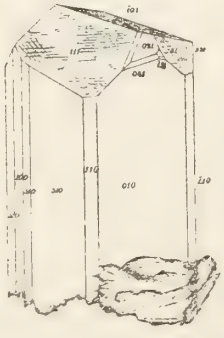

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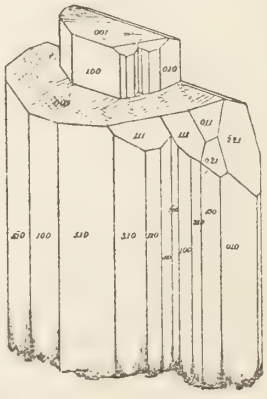

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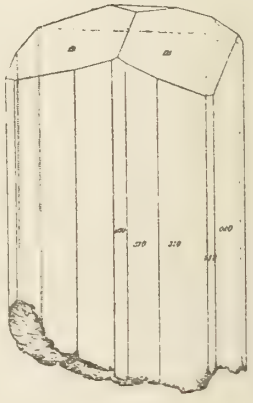
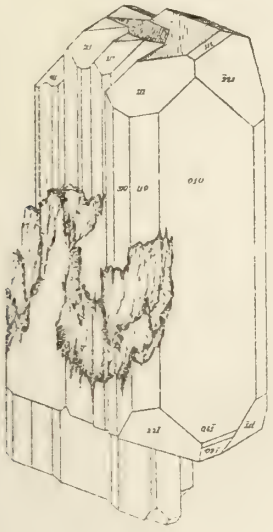


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 350.



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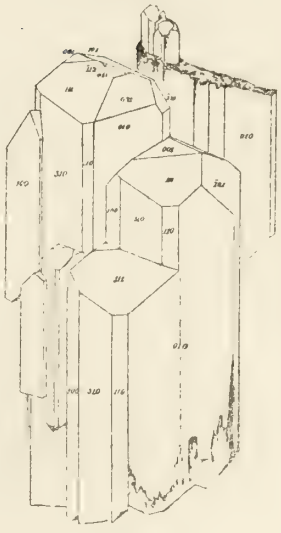

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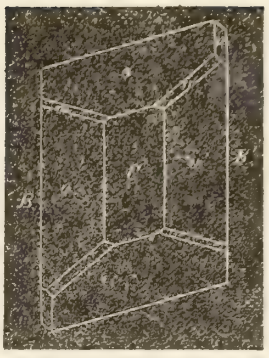

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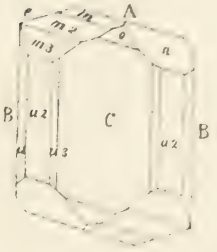

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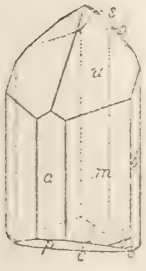

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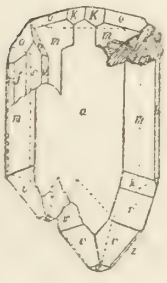

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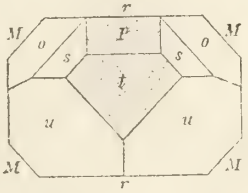

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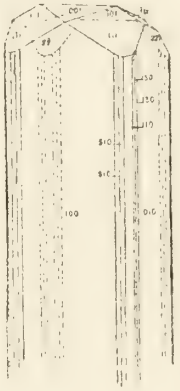

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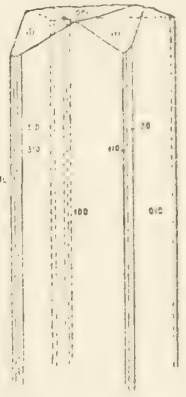

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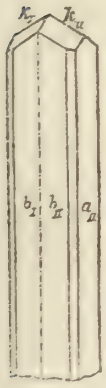

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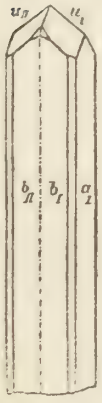

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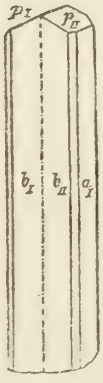

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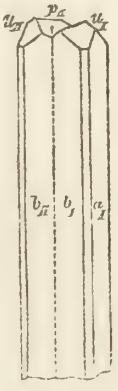
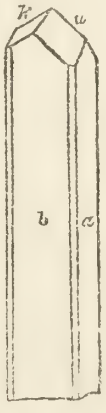


Fig. 363.



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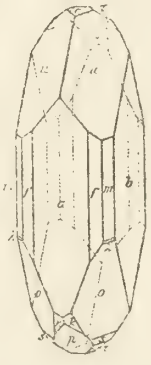

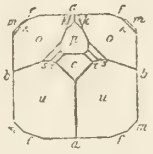

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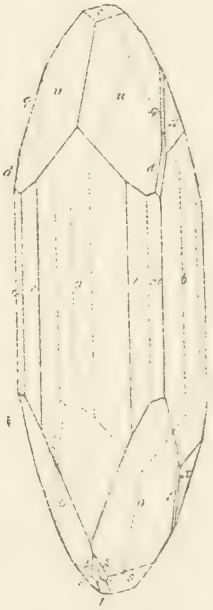
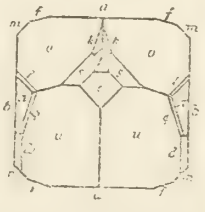
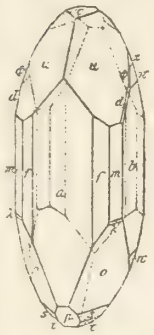




Pyroxen-Gruppe

Monokline Pyroxene

Fig. 366.



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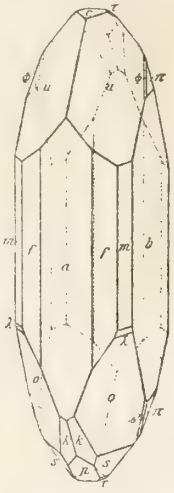

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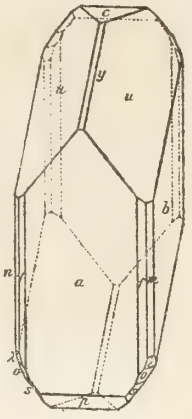

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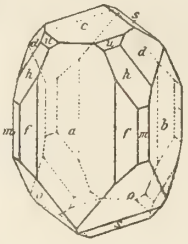

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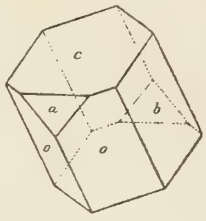

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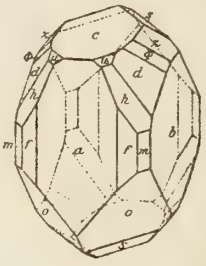
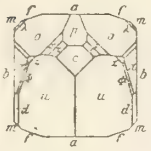
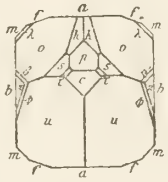
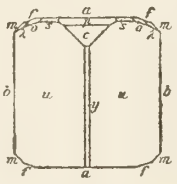
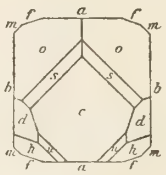
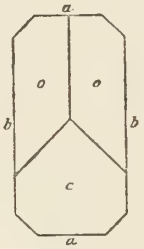












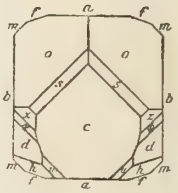
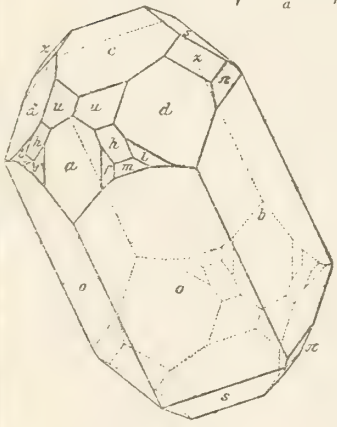


Fig. 372.



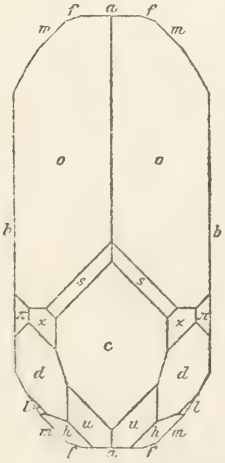
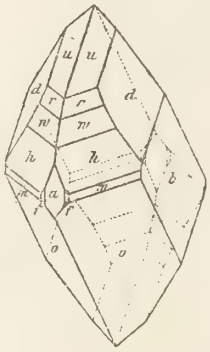


Fig. 373.



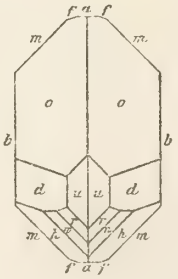
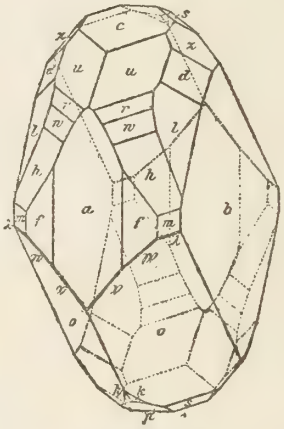


Fig. 374.



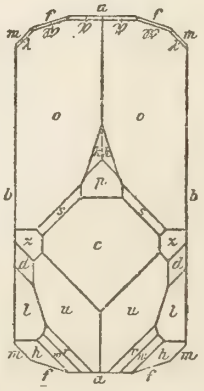
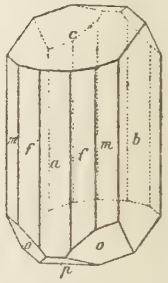


Fig. 375.



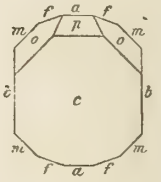
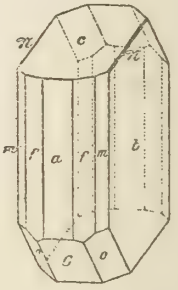
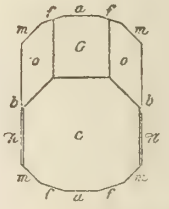


Fig. 376.





Pyroxen-Gruppe

Monokline Pyroxene

Fig. 377.

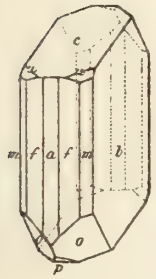


Fig. 378.

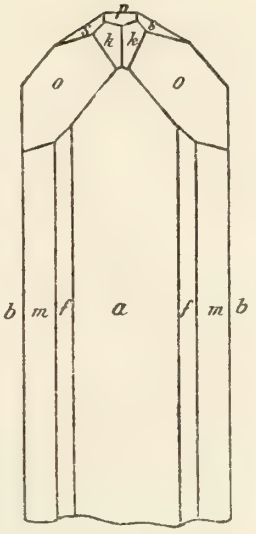


Fig. 379.

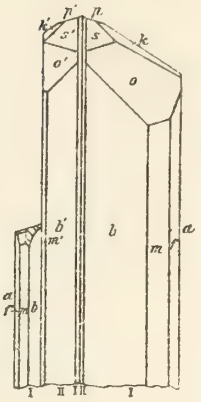


Fig. 381.

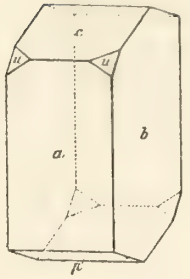
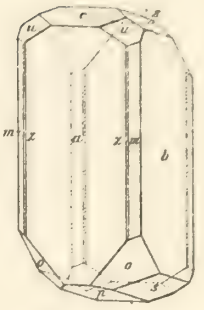
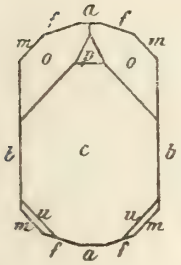


Fig. 382.





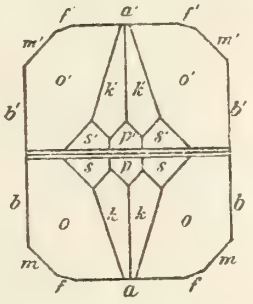
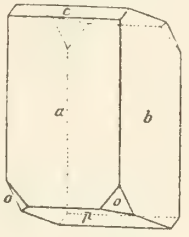
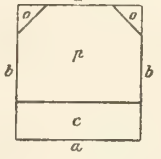
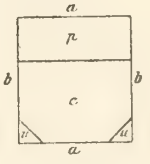
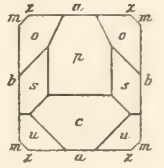


Fig. 380.









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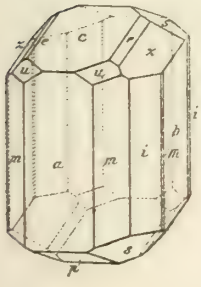


Fig. 384.

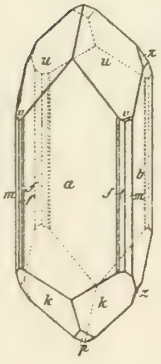


Fig. 385.

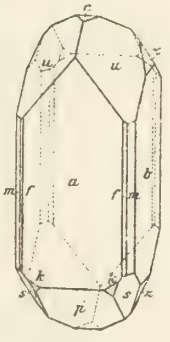


Fig. 386.

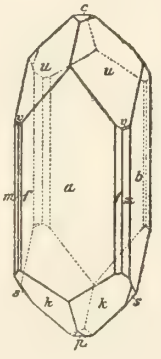


Fig. 387.

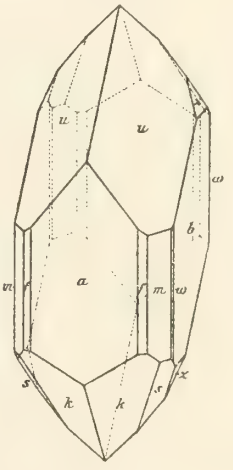
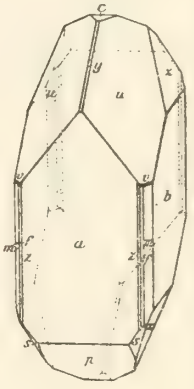
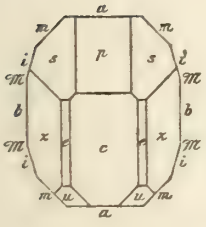
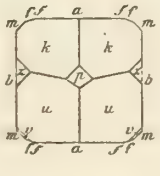
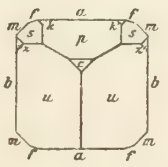


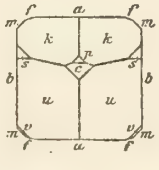
Fig. 388.

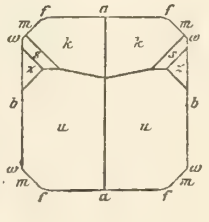


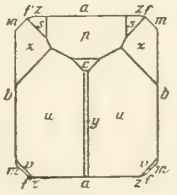












Pyroxen-Gruppe

Monokline Pyroxene

Fig. 389.

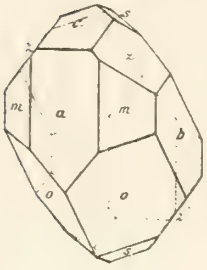


Fig. 390.

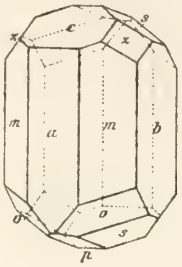


Fig. 391.

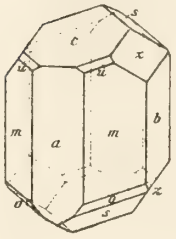


Fig. 392.

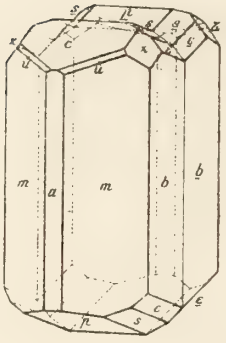
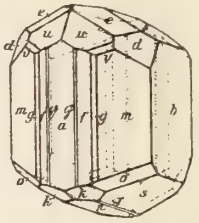
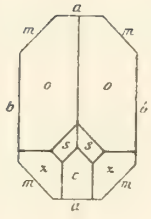
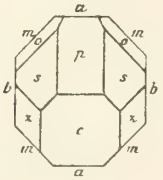
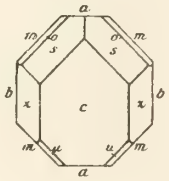


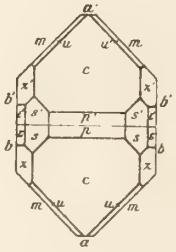
Fig. 393.











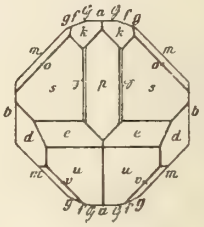
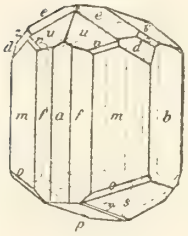


Fig. 394.



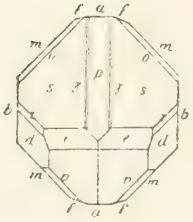


Fig. 395.

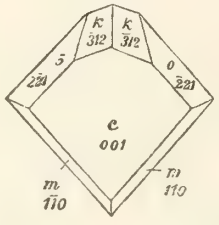


Fig. 396.

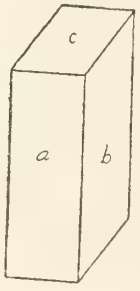


Fig. 397.

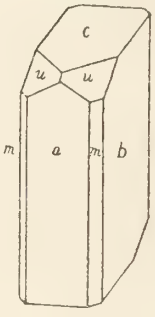


Fig. 398.

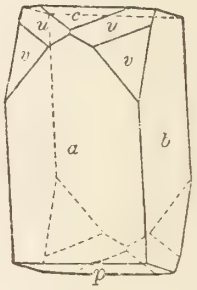


Fig. 399.

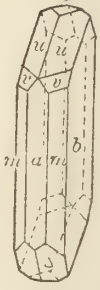


Fig. 400.

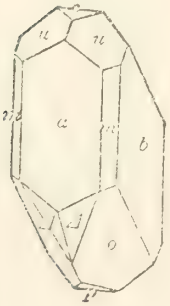


Fig. 401.

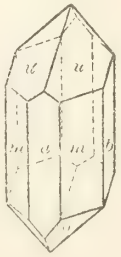


Fig. 402.

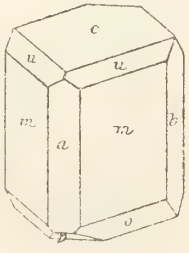


Fig. 403.

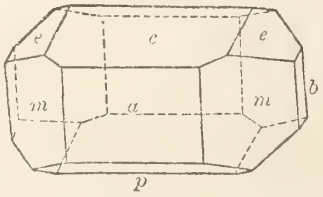
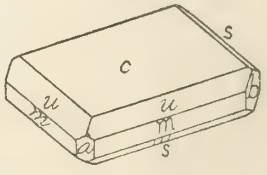


Fig. 404.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 405.

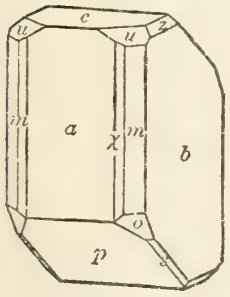
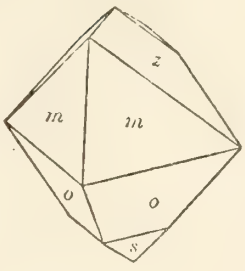


Fig. 406.



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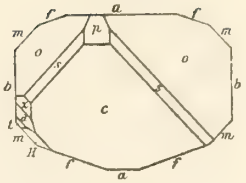

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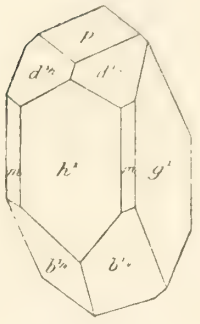

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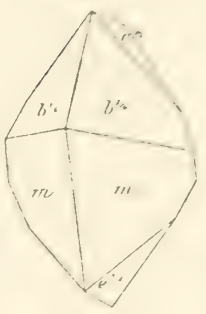

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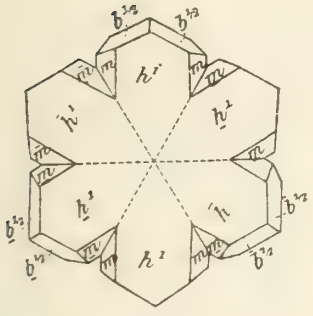

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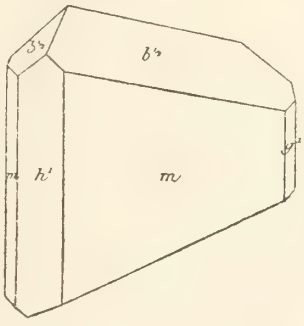

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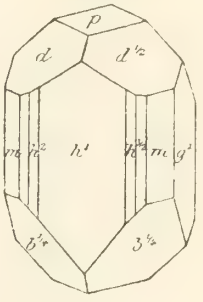

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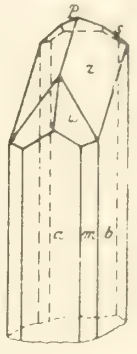

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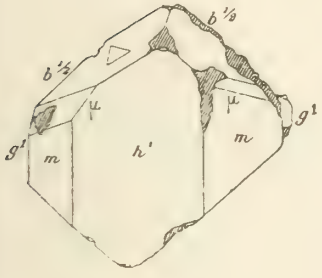

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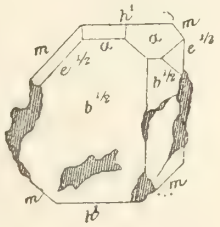

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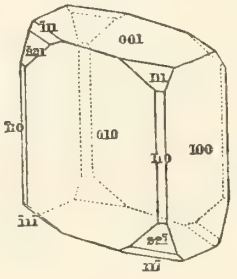

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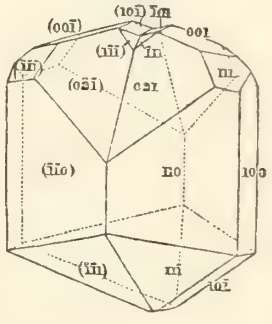

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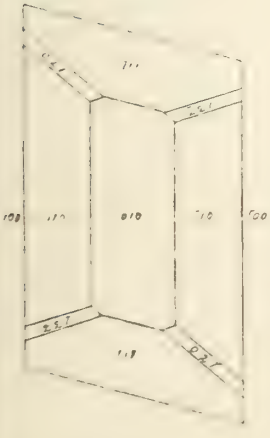

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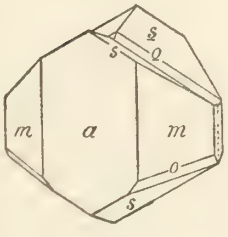

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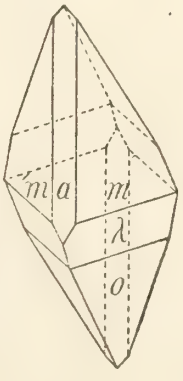

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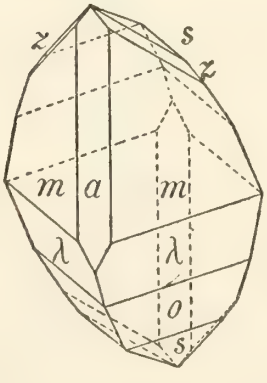

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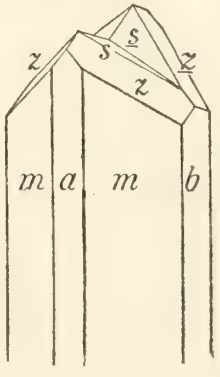
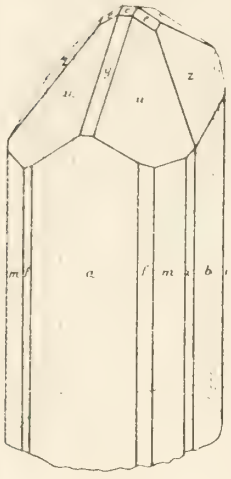


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 423.



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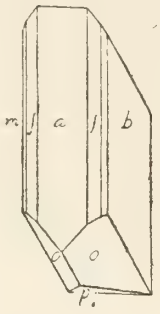

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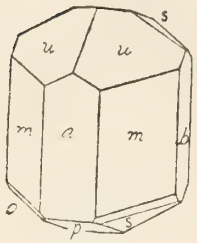

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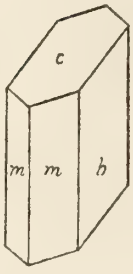

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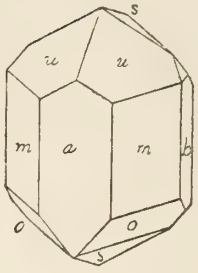

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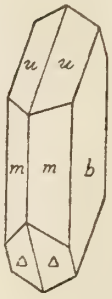

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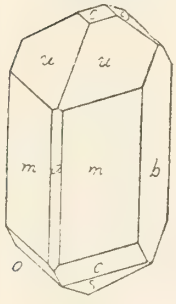

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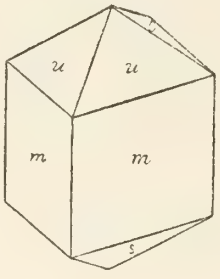

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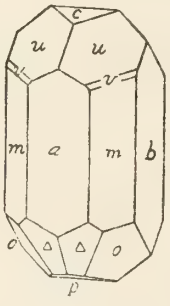

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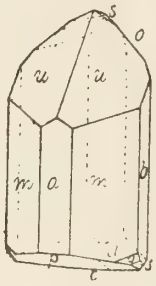

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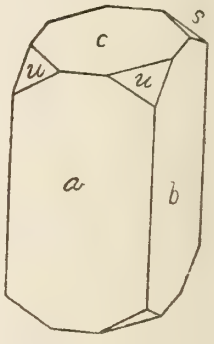

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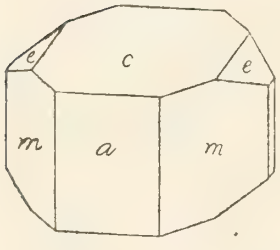

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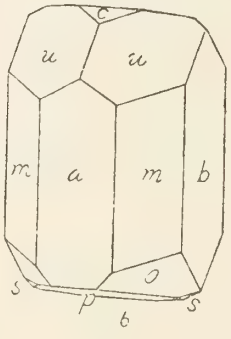

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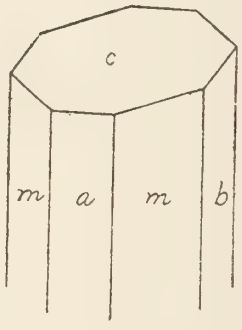

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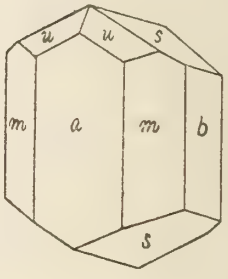

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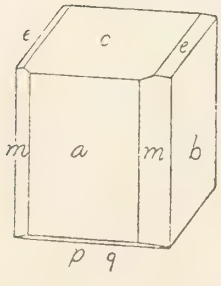

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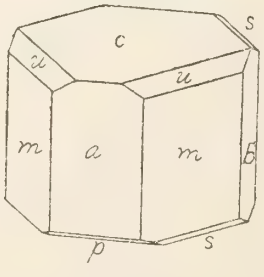

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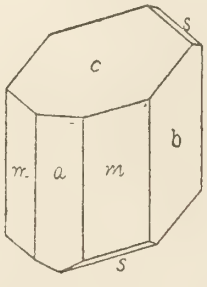

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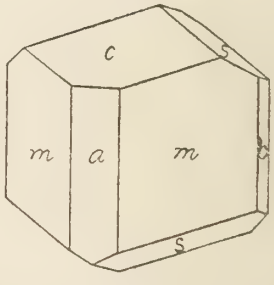
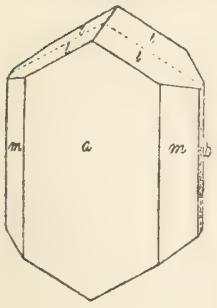


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 442.



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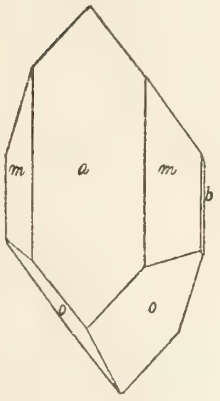
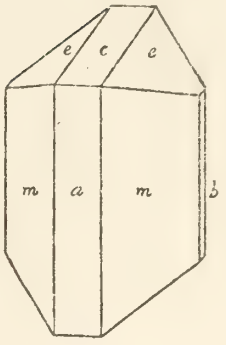


Fig. 444.



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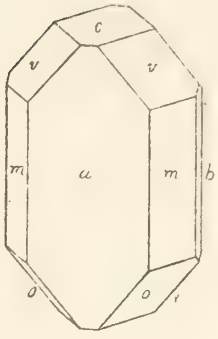

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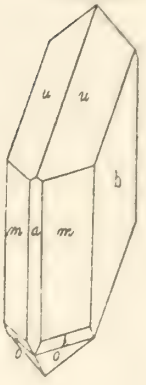
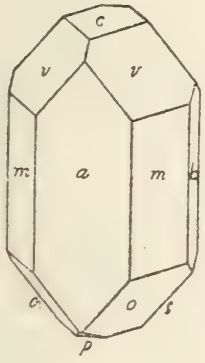


Fig. 447.



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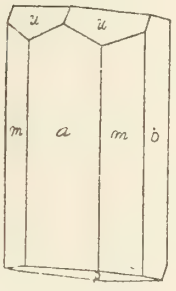

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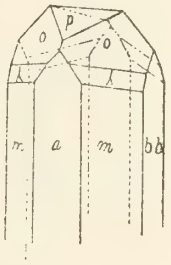

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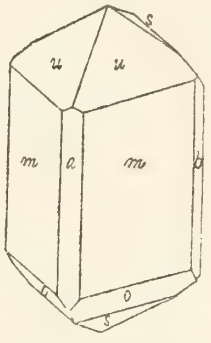

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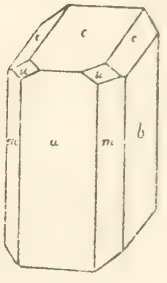
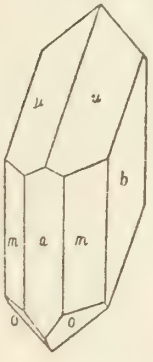


Fig. 452.

Fig. 453.



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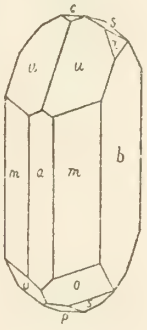

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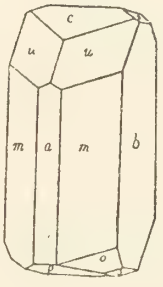

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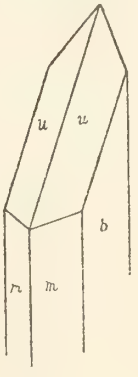

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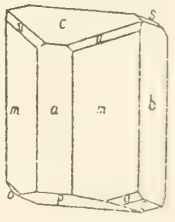

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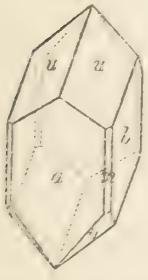

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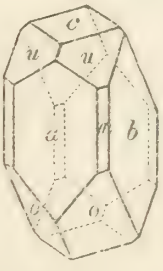

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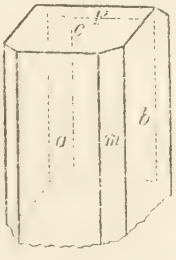


Fig. 461.

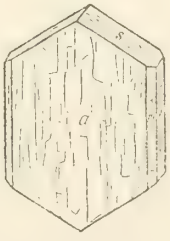
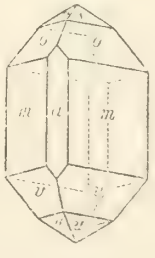


Fig. 462.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 463.

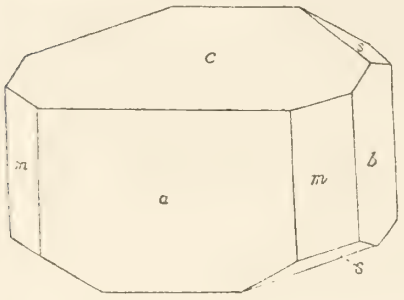


Fig. 464.

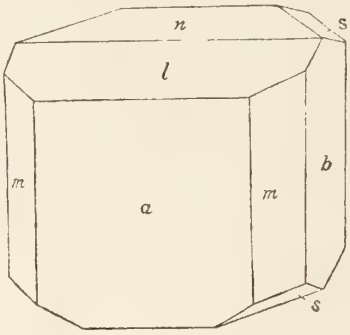
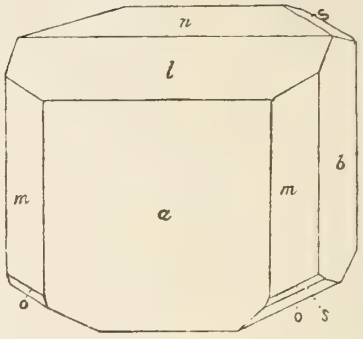


Fig. 465.



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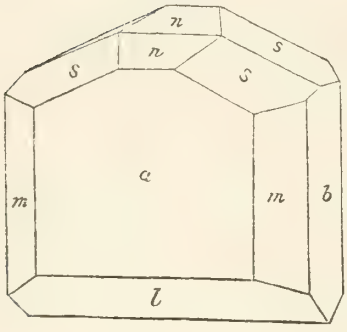
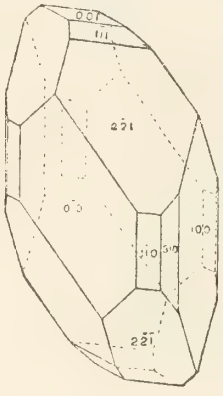


Fig. 467.



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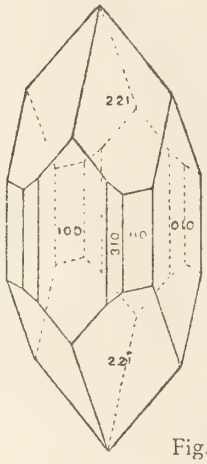

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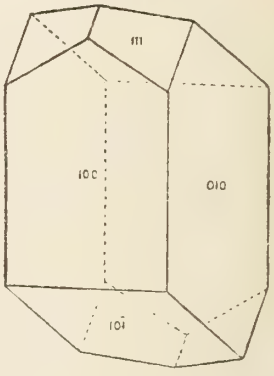


Fig. 470.

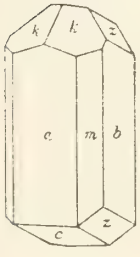
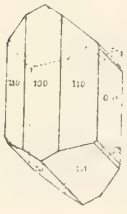


Fig. 471.



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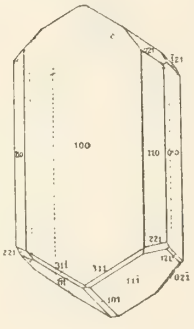

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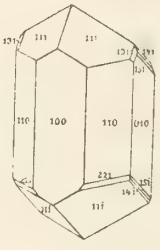


Fig. 474.

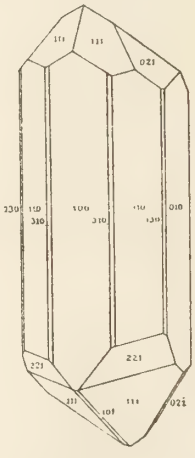


Fig. 475.

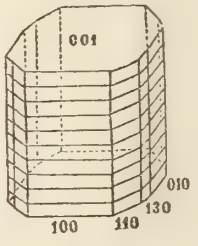


Fig. 476.

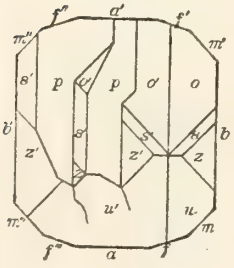


Fig. 477.

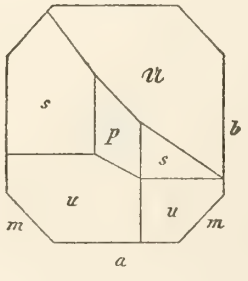


Fig. 478.

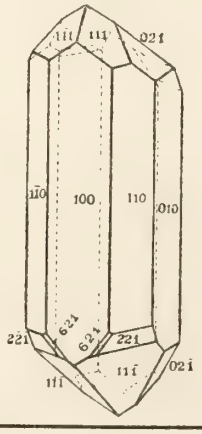


Fig. 479.

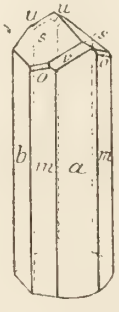


Fig. 480.

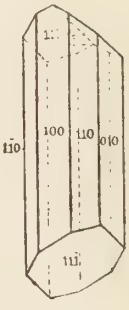
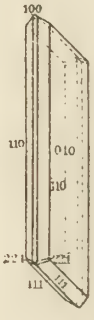


Fig. 481.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 482.

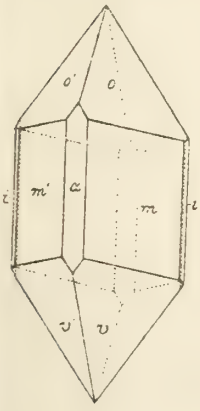


Fig. 483.

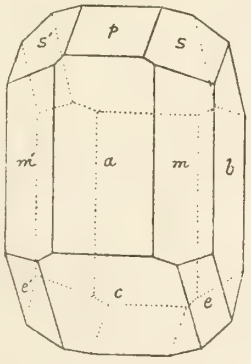
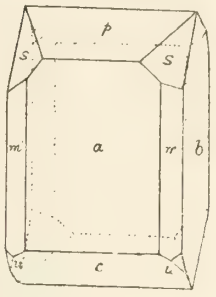


Fig. 484.



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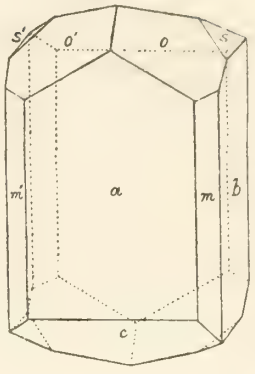

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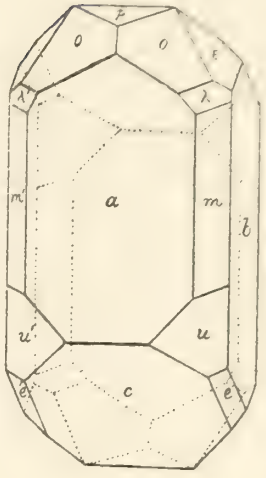

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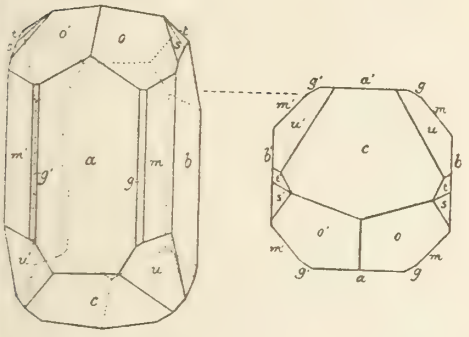

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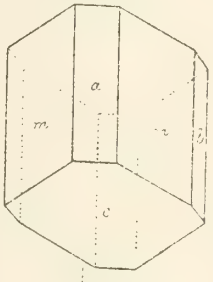

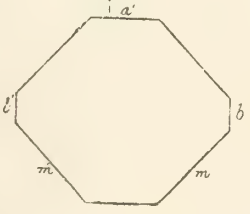

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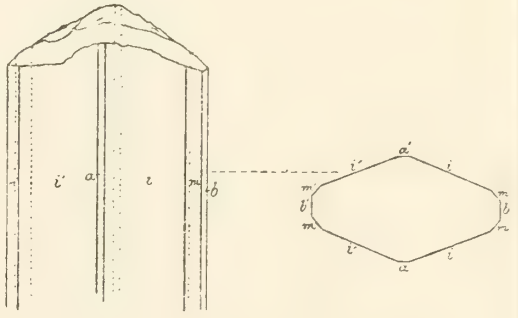

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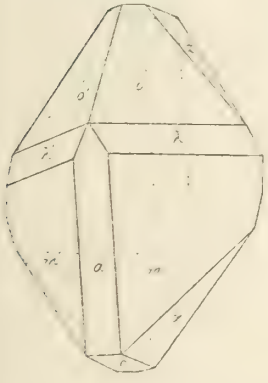


Fig. 491.

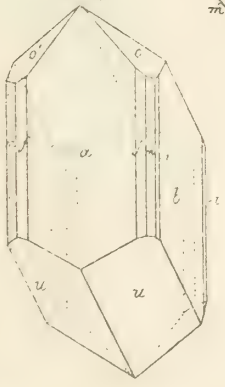


Fig. 492.

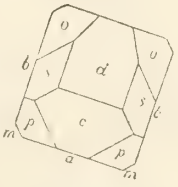


Fig. 493.

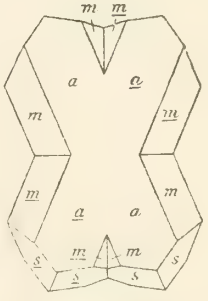


Fig. 494.

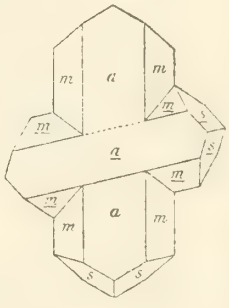


Fig. 495.

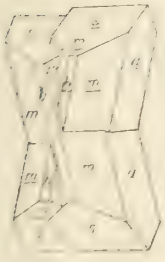


Fig. 496.

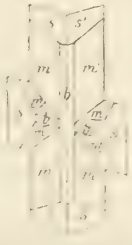
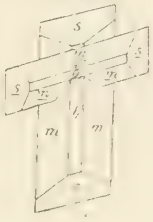


Fig. 497.



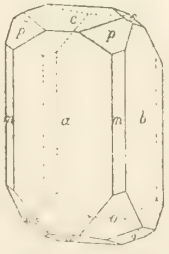
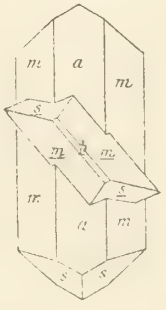


Fig. 498.



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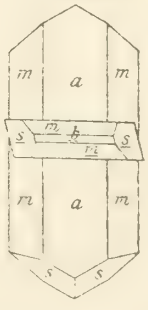
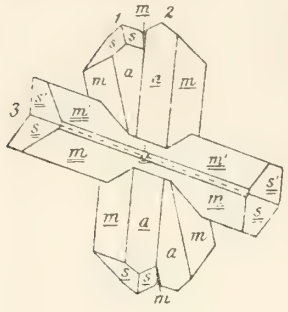


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 500.



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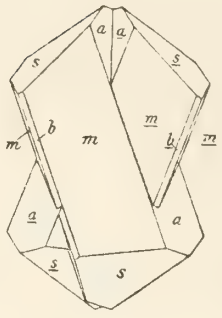

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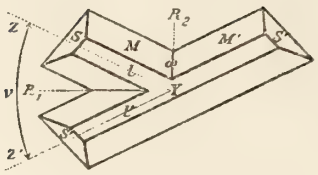

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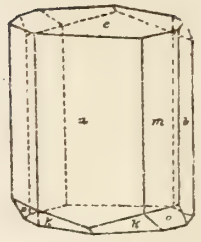

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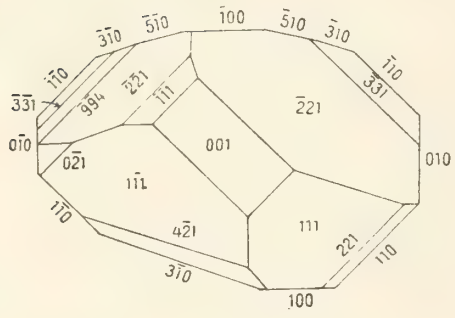

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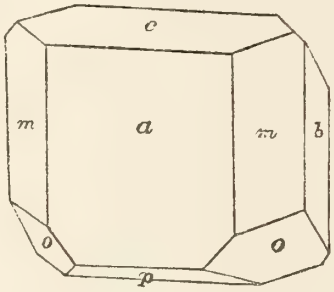

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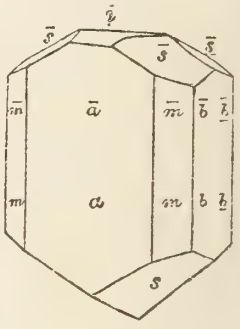
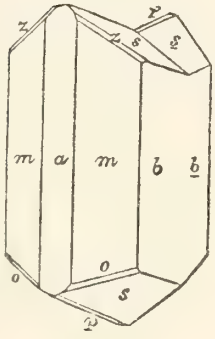


Fig. 507.



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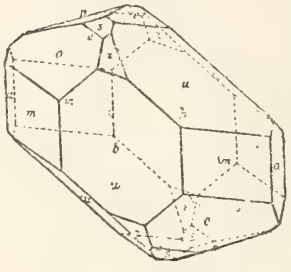

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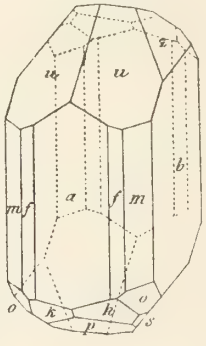

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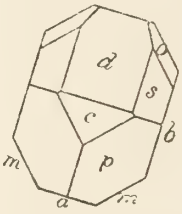

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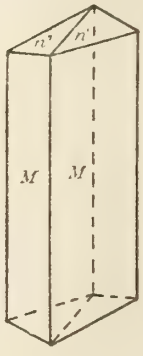

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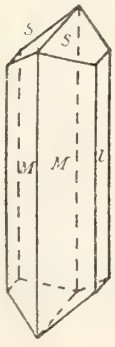
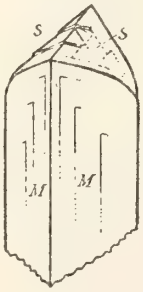


Fig. 513.



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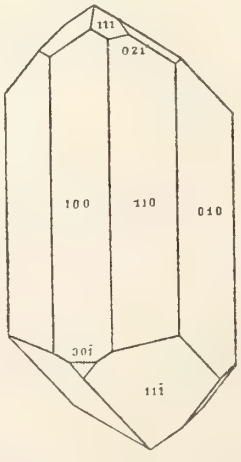

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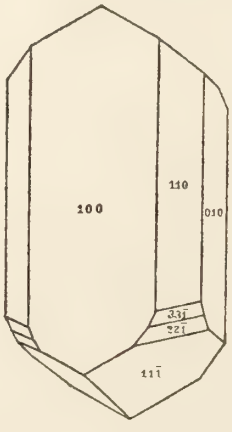

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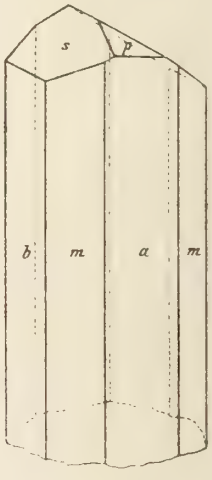
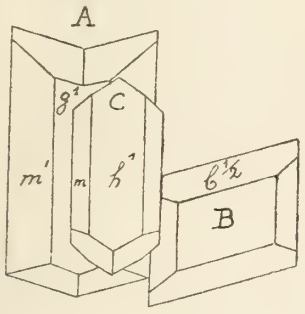


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 517.



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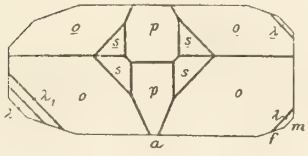

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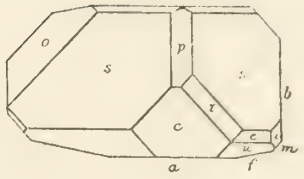

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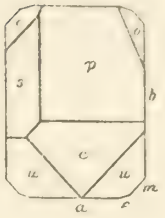

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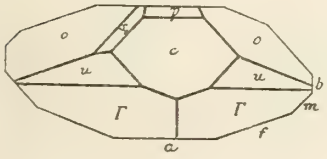

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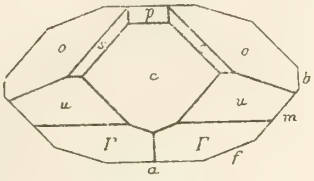

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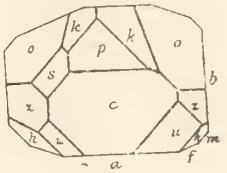

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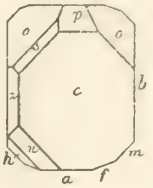

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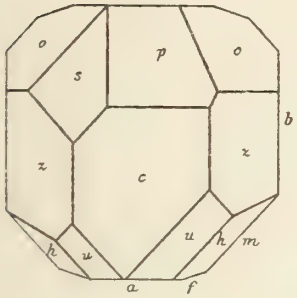

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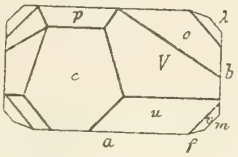

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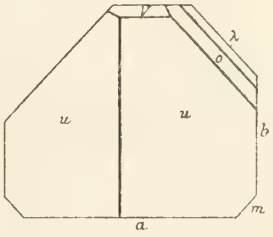

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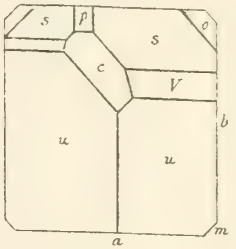

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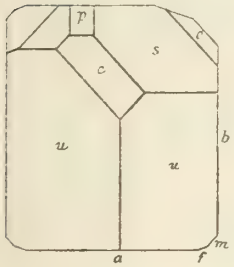

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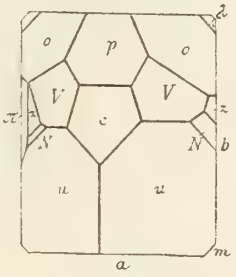

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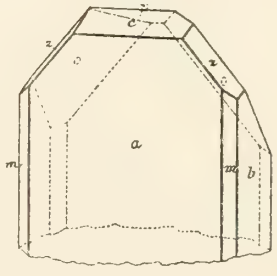

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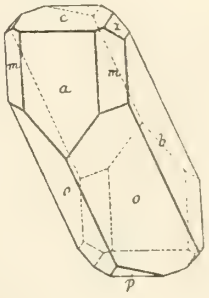

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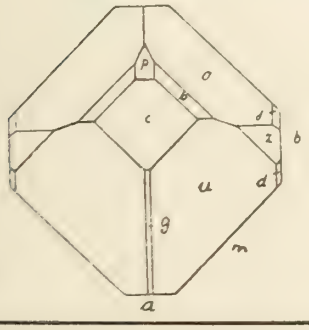

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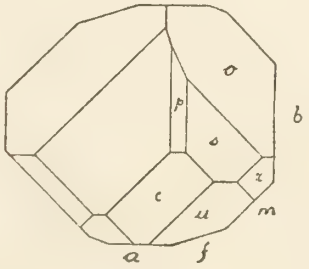

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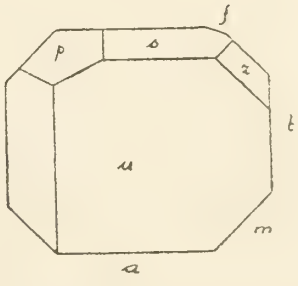
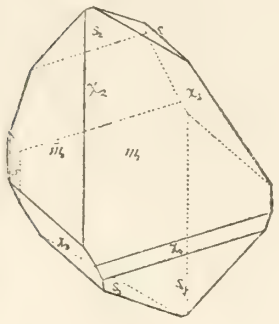


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 536.



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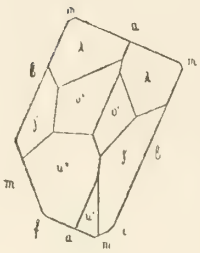

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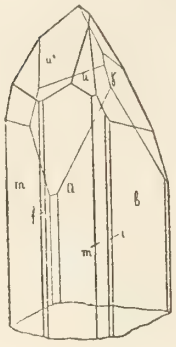

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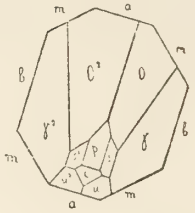

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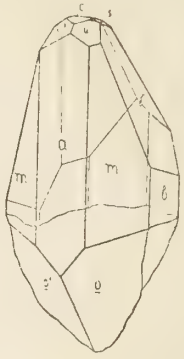

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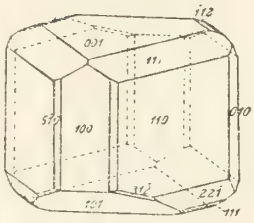

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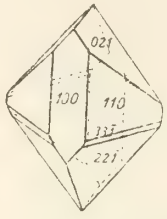

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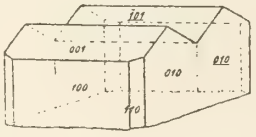

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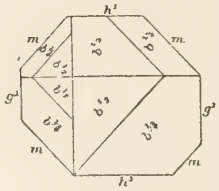


Fig. 545.

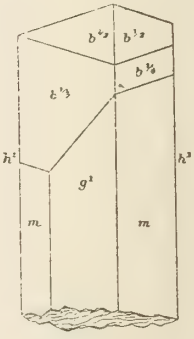


Fig. 546.

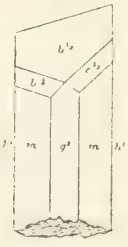
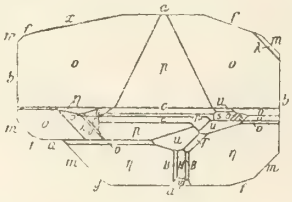
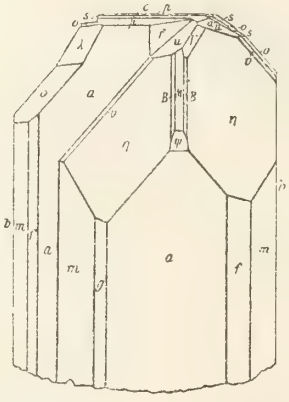


Fig. 547.

Fig. 548.





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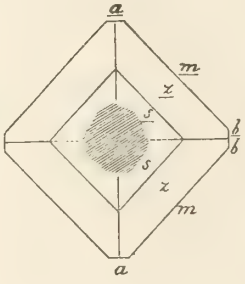


Fig. 550.

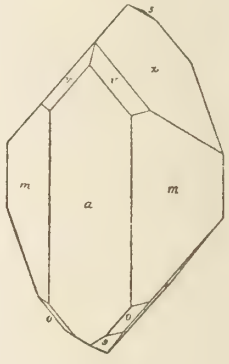
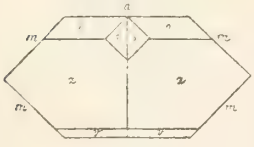


Fig. 551.



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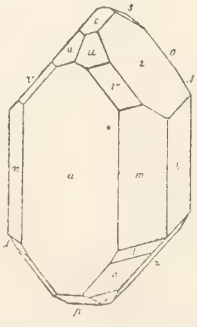
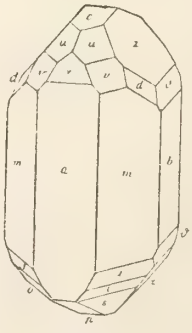


Fig. 553.



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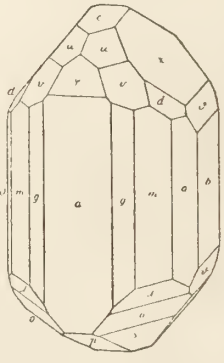
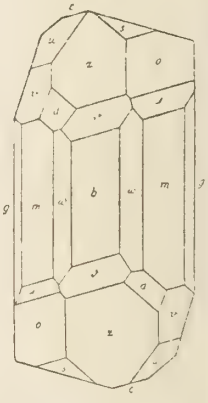


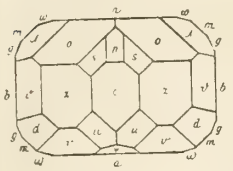
Fig. 555.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 556.



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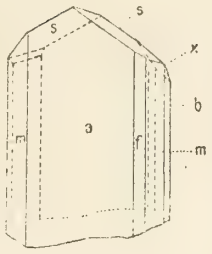
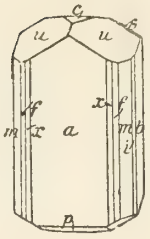


Fig. 558.



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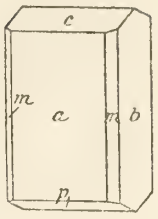

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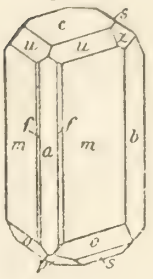


Fig. 561.

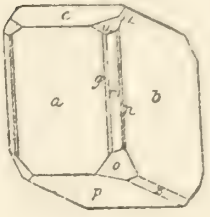
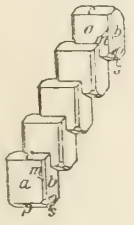


Fig. 562.



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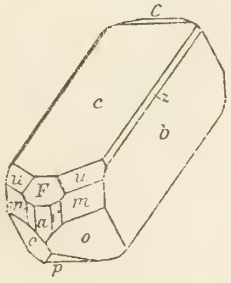

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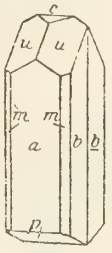

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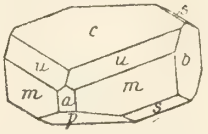


Fig. 566.

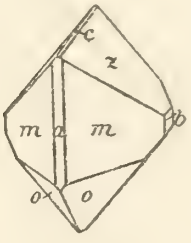


Fig. 567.

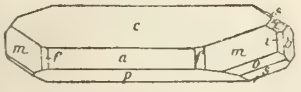


Fig. 568.

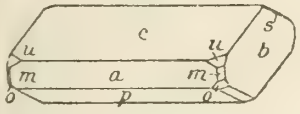


Fig. 569.

Fig. 570.

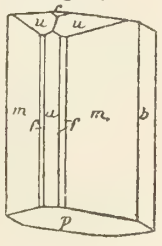
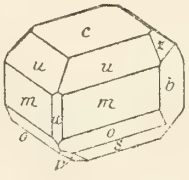


Fig. 571.



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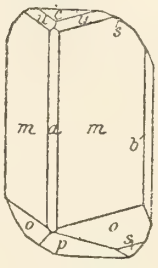
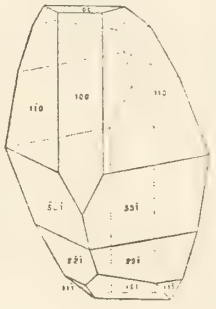


Fig. 573.



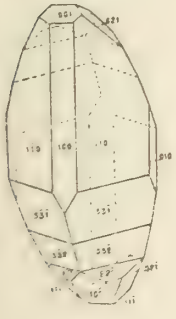
Pyroxen-Gruppe

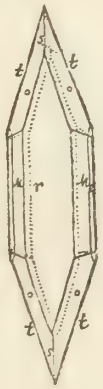
Monokline Pyroxene (Akmit. Aegirin)

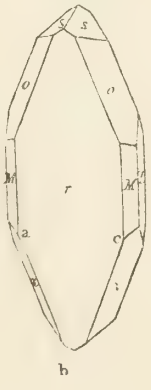
Fig. 1.

Fig. 2.

Fig. 574.







b

Fig. 3.

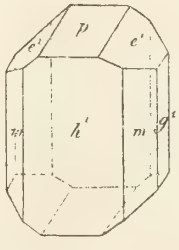


Fig. 4.

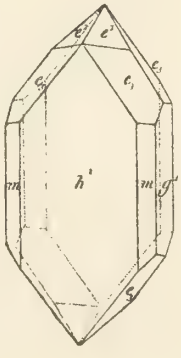
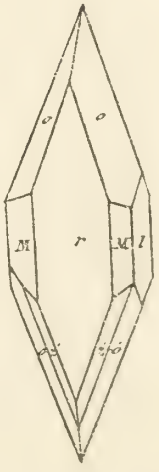


Fig. 5.



Pyroxen-Gruppe

Monokline Pyroxene

Fig. 6.

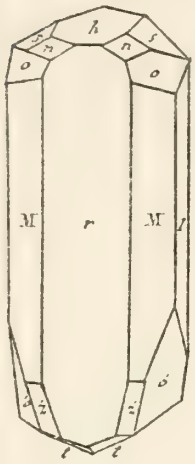


Fig. 7.

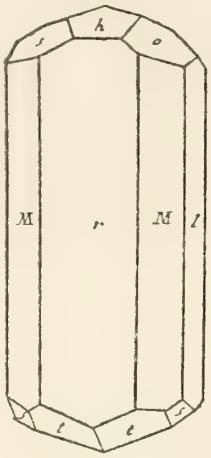


Fig. 8.

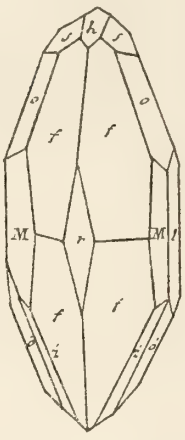
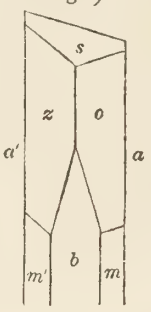


Fig. 9.



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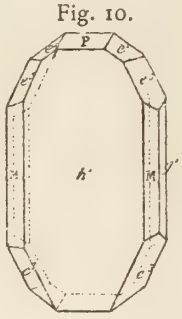


Fig. 11.

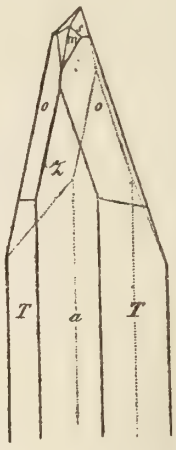


Fig. 12.

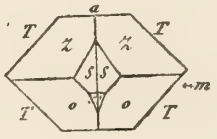


Fig. 13.

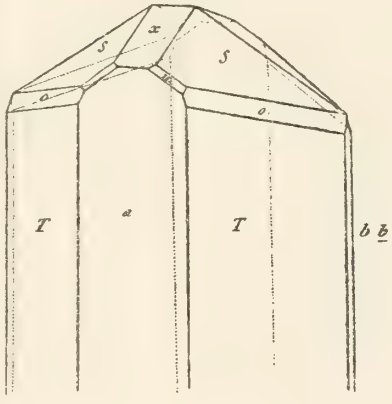


Fig. 14.

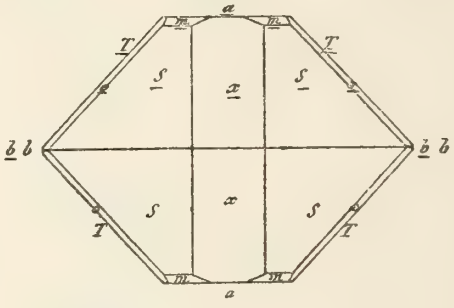


Fig. 15.

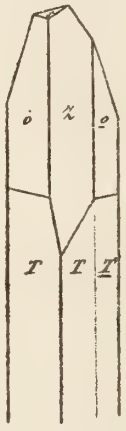


Fig. 16.

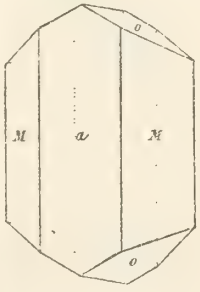


Fig. 17.

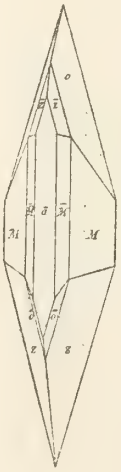


Fig. 18.

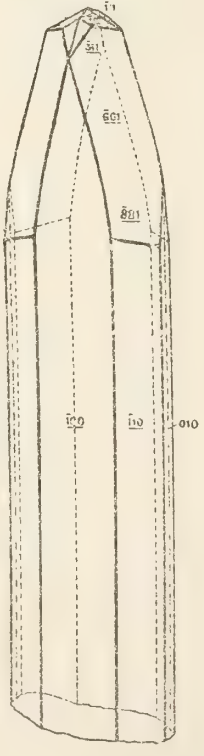
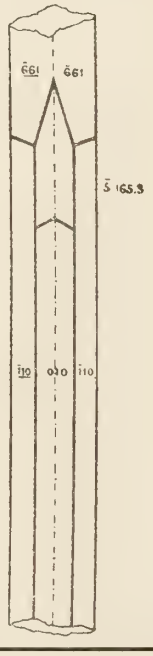


Fig. 19.

Fig. 20.



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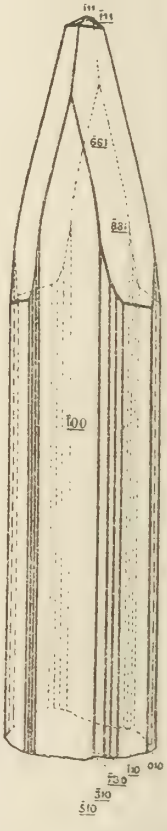


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 22.

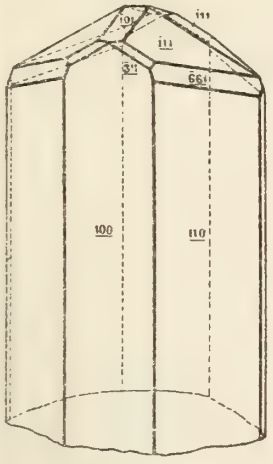
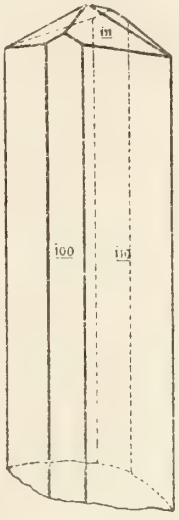


Fig. 23.



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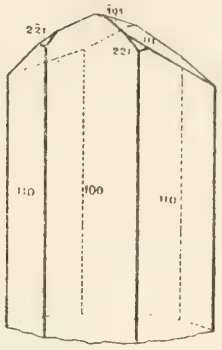

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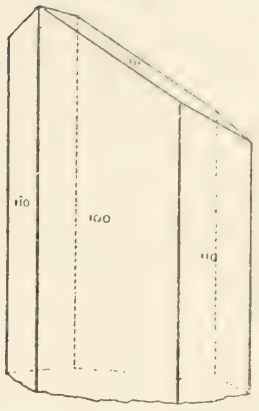


Fig. 26.

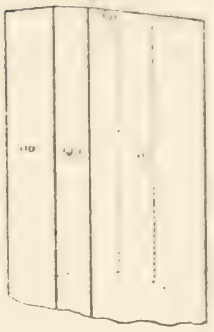


Fig. 27.

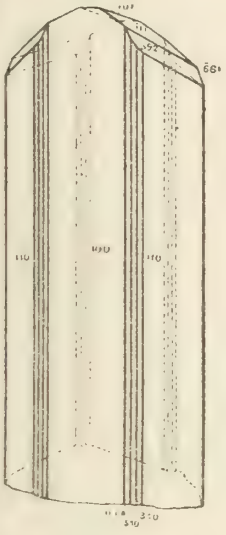
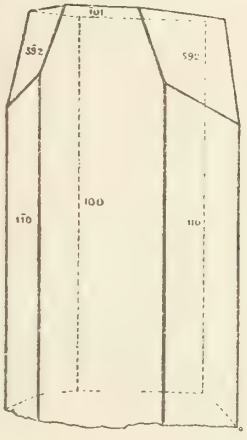


Fig. 28.



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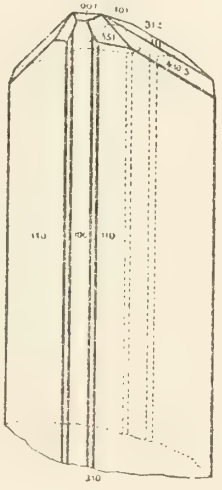


Fig. 30.

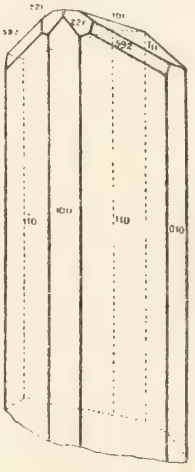


Fig. 31.

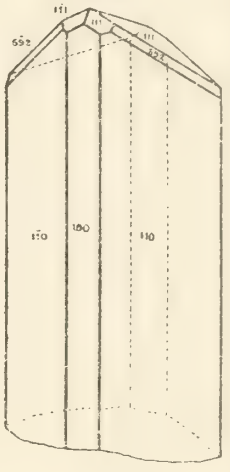


Fig. 32.

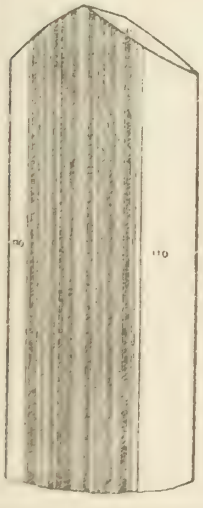
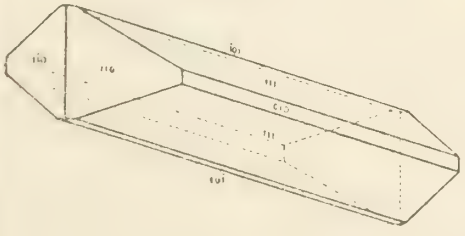


Fig. 33.



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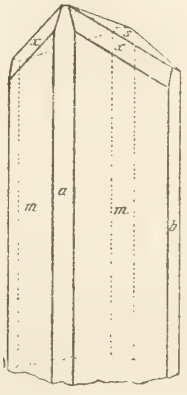
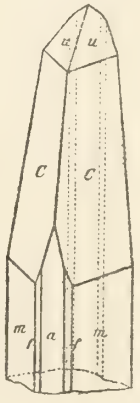


Fig. 35.



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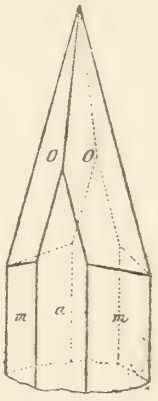


Pyroxen-Gruppe

Monokline Pyroxene

Fig. 37.

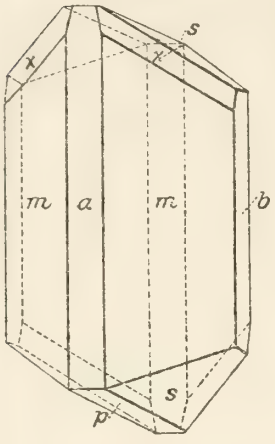


Fig. 38.

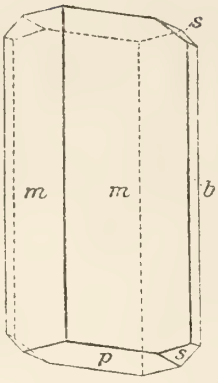


Fig. 39.

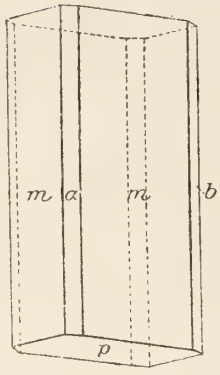


Fig. 40.

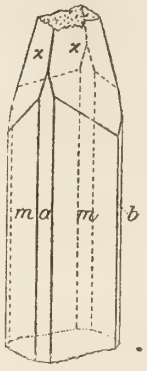


Fig. 41.

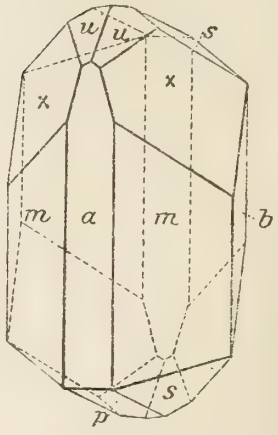


Fig. 42.

Fig. 43.

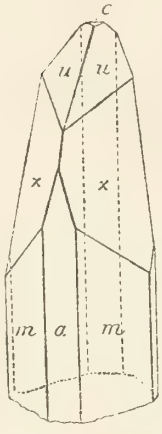


Fig. 44.

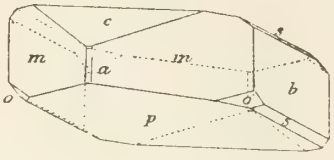


Fig. 45.

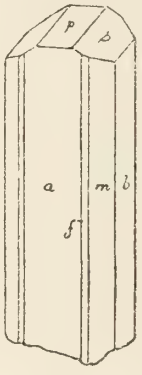


Fig. 46.

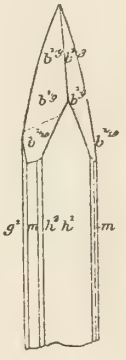
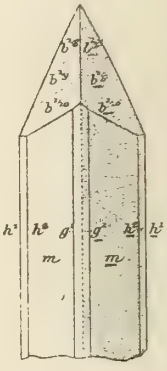


Fig. 47.



Pyroxen-Gruppe

Monokline Pyroxene (Pektolith)

Fig. 48.

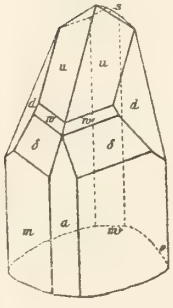
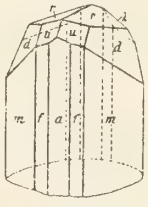


Fig. 49.



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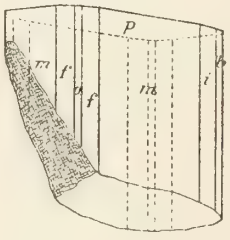

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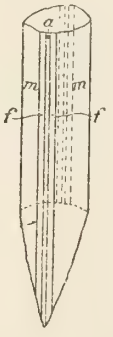


Fig. 1.

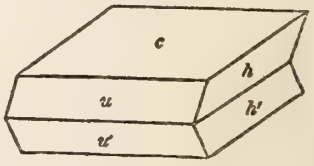
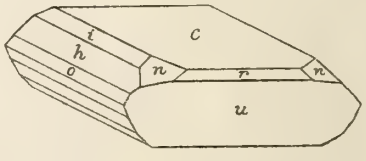


Fig. 2.



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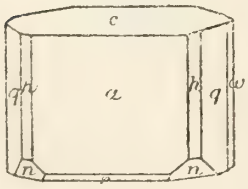

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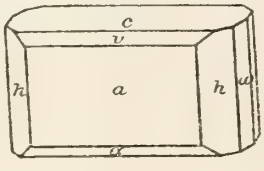

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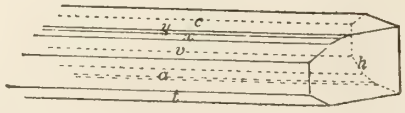

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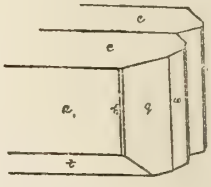
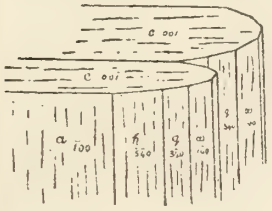


Pyroxen-Gruppe

Monokline Pyroxene (Pektolith)

Fig. 7.



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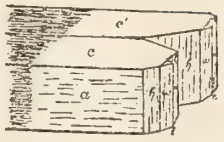


Fig. 9.

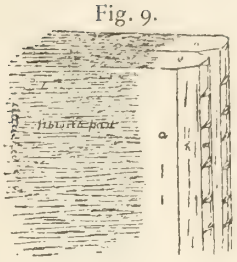
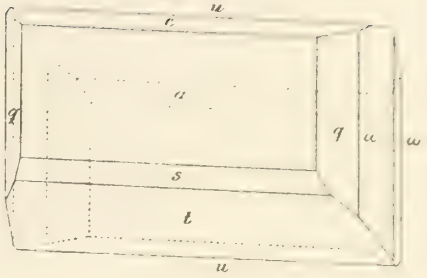


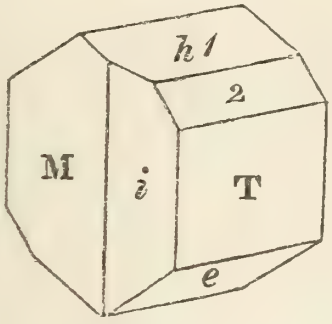
Fig. 10.



Pyroxen-Gruppe

Monokline Pyroxene (Wollastonit)

Fig. 1.



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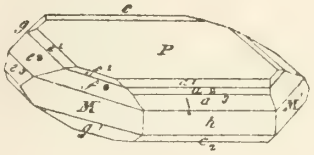


Fig. 3.

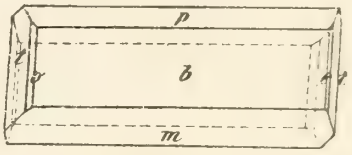


Fig. 4.

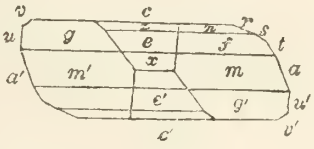


Fig. 5.

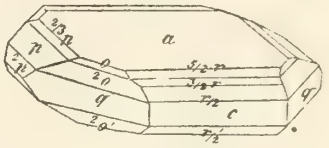
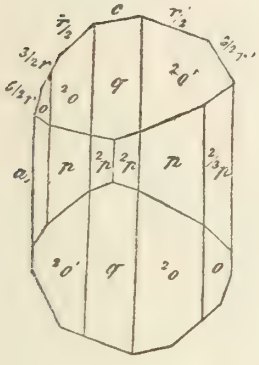


Fig. 6.



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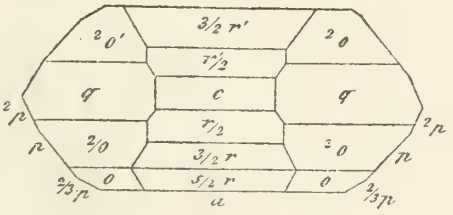

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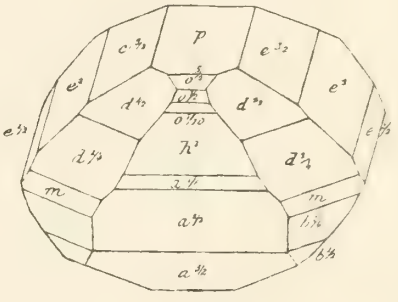

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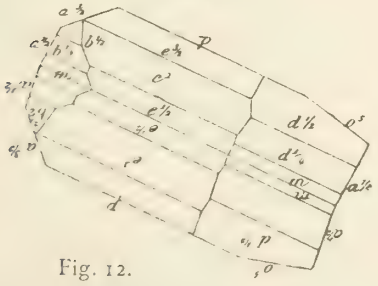

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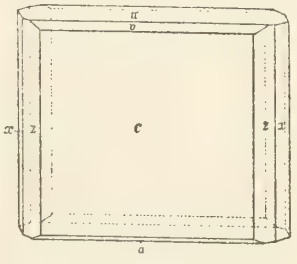

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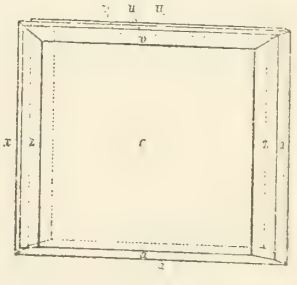

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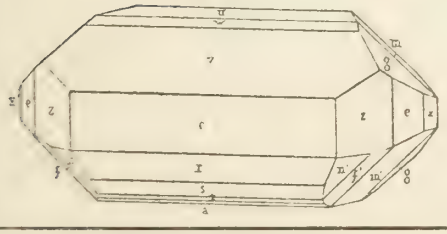

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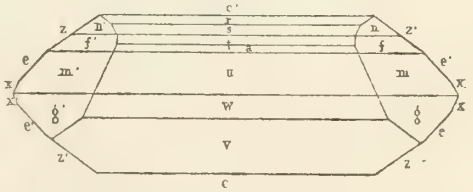

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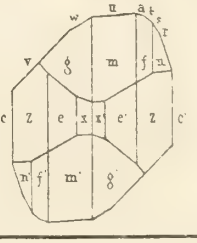
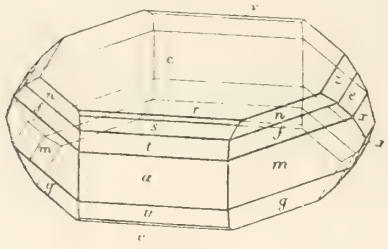


Pyroxen-Gruppe

Monokline Pyroxene (Wollastonit)

Fig. 15.



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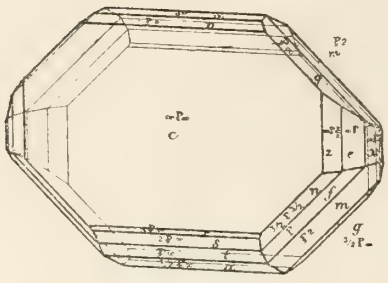

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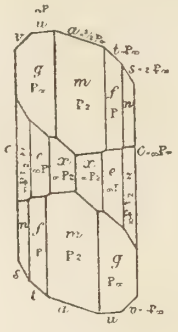

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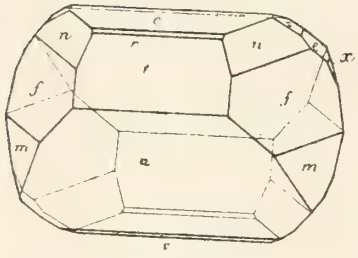

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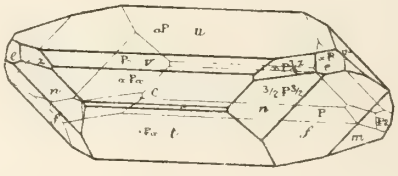


Fig. 20.

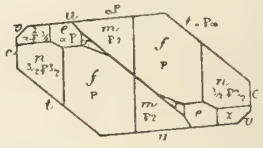
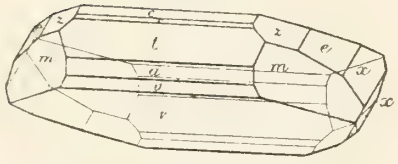


Fig. 21.



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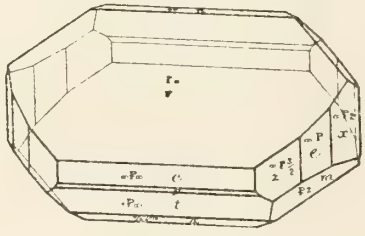

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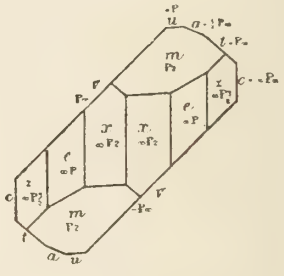

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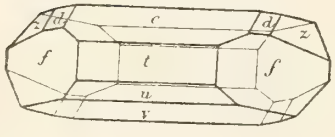

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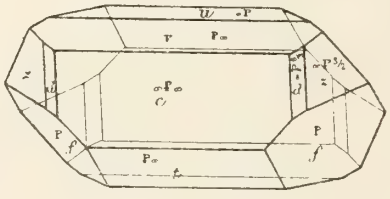
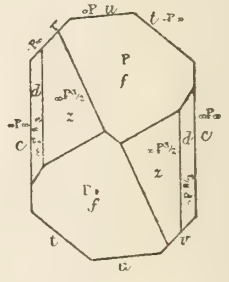


Fig. 26.



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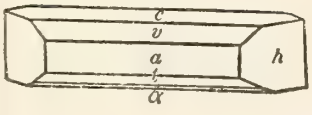


Fig. 29.

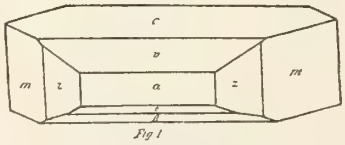


Fig. 31.

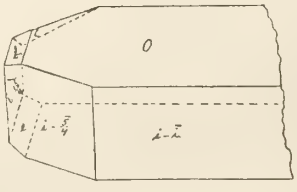


Fig. 32.

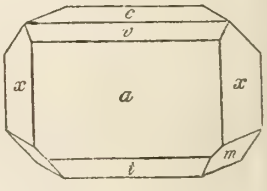
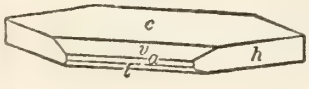


Fig. 28.



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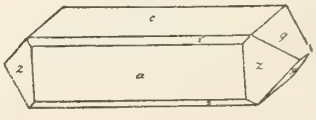


Pyroxen-Gruppe

Monokline Pyroxene (Wollastonit)

Fig. 33.

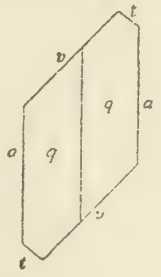


Fig. 34.

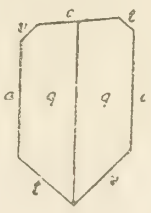


Fig. 35.

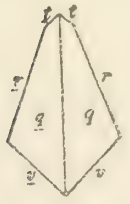
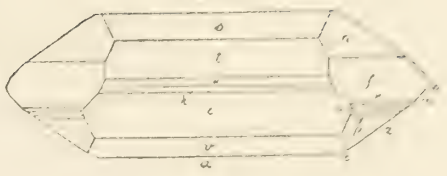


Fig. 36.



Pyroxen-Gruppe

Trikline Pyroxene

(Rhodonit u. A.)

Fig. 1.

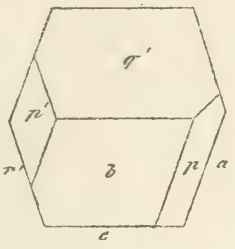


Fig. 2.

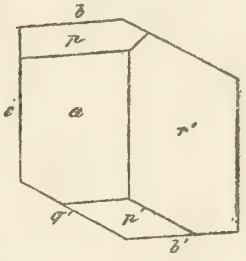


Fig. 3.

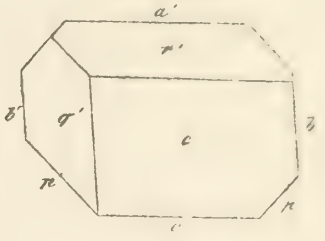


Fig. 4.

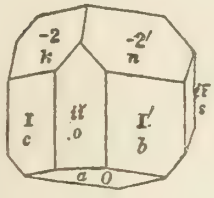


Fig. 5.

Fig. 6.

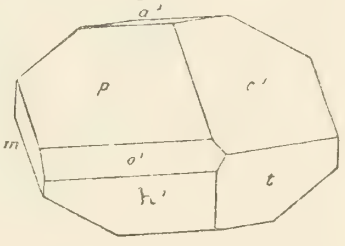
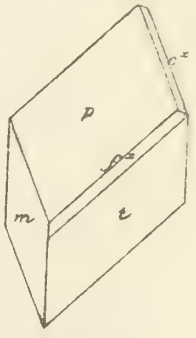


Fig. 7.



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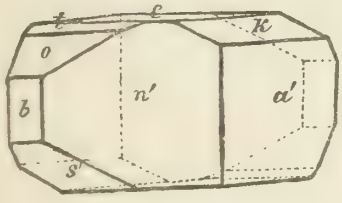

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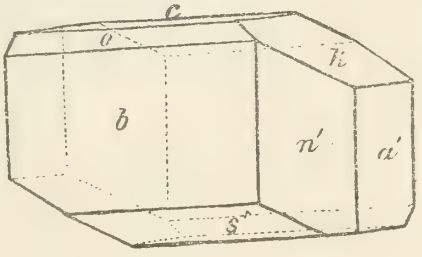

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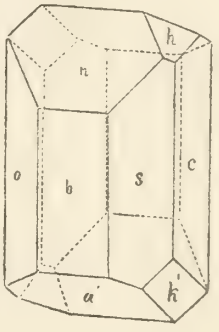

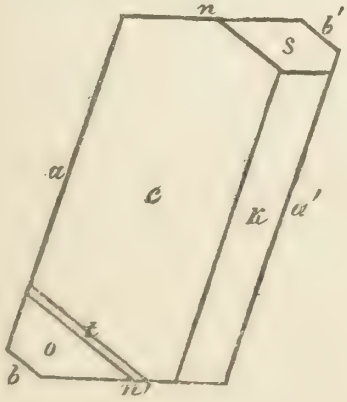

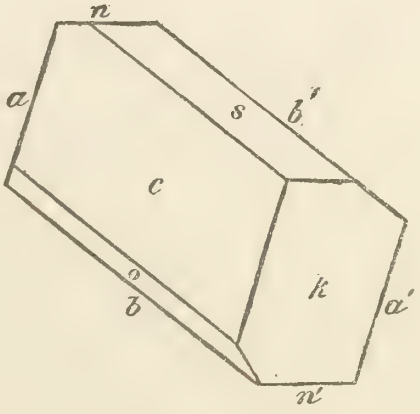

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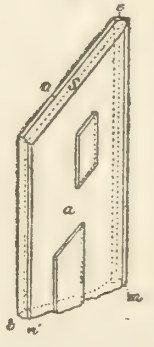
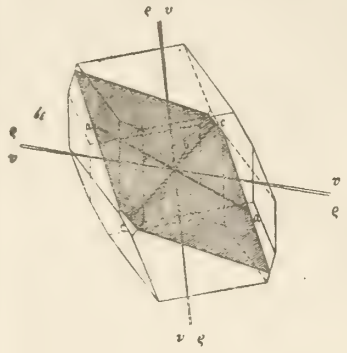


Pyroxen-Gruppe

Trikline Pyroxene (Rhodonit)

Fig. 12.



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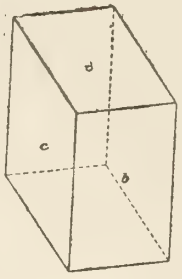

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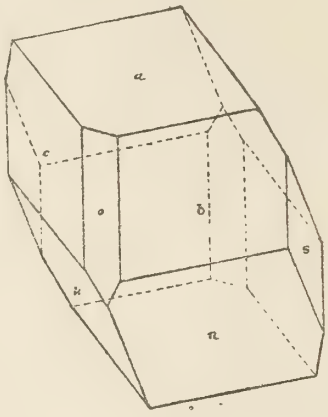

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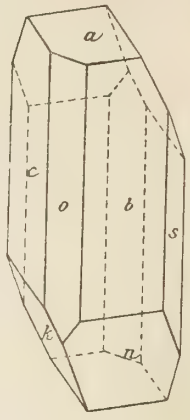

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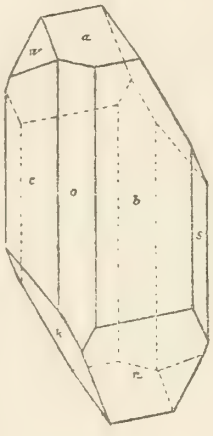

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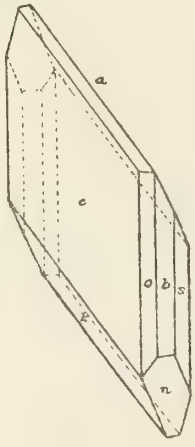

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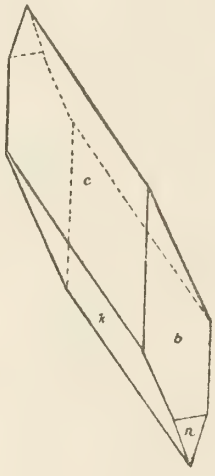

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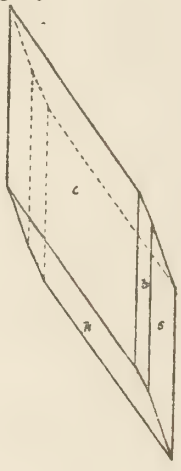
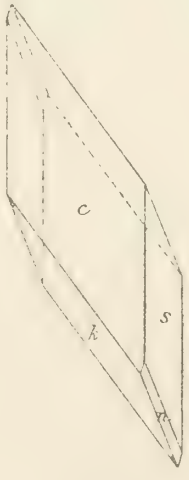


Fig. 20.

Fig. 21.



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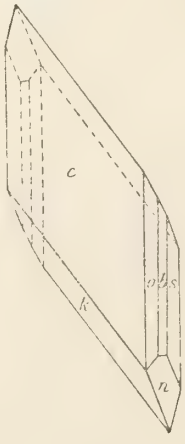

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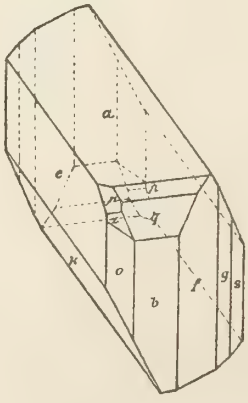

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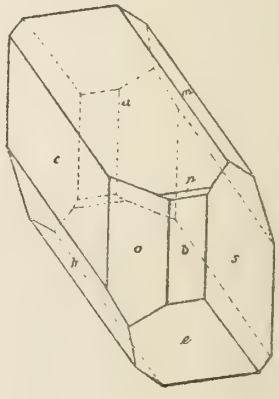
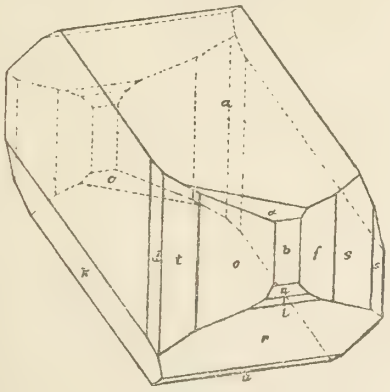


Pyroxen-Gruppe

Trikline Pyroxene (Rhodonit)

Fig. 25.



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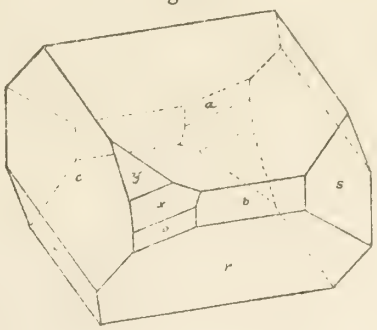

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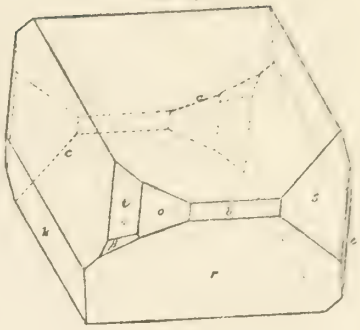

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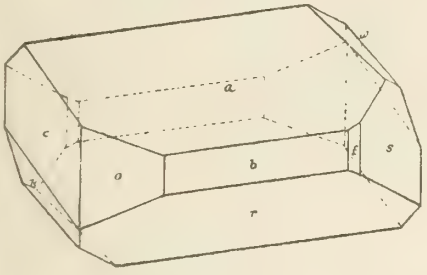

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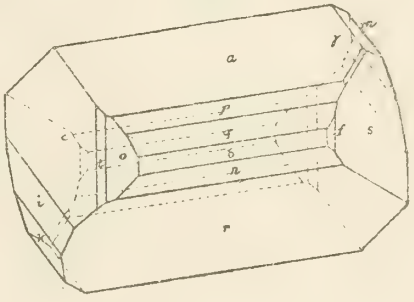

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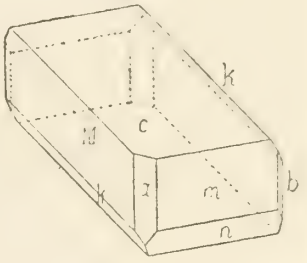

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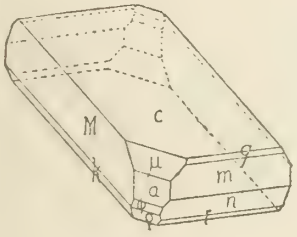

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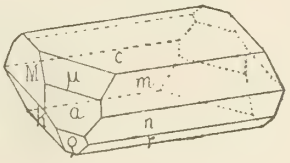

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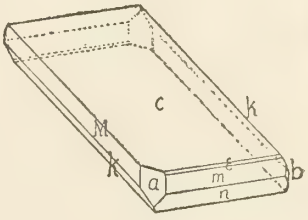

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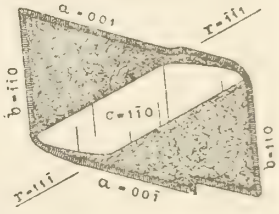

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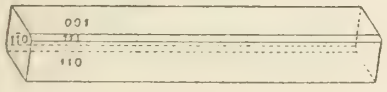

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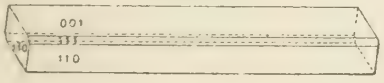


Fig. 37.

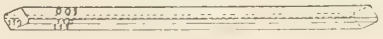


Fig. 38.

Fig. 39.

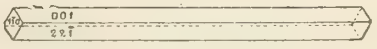


Fig. 40.

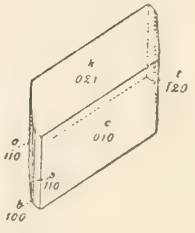
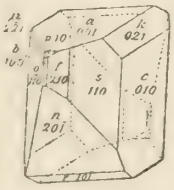


Fig. 41.

Fig. 42.



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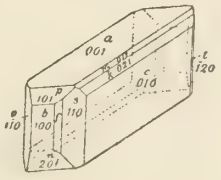

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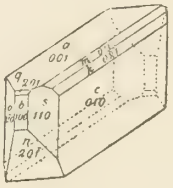

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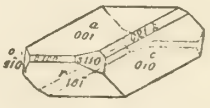
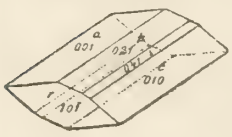


Pyroxen-Gruppe

Trikline Pyroxene (Rhodonit)

Fig. 46.



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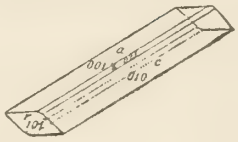

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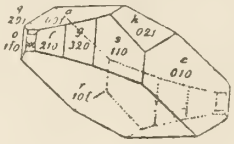

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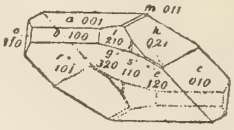

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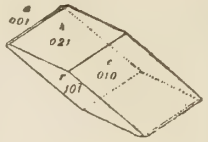

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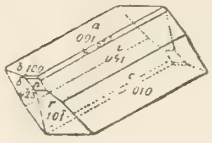

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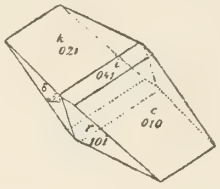

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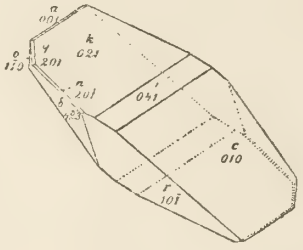

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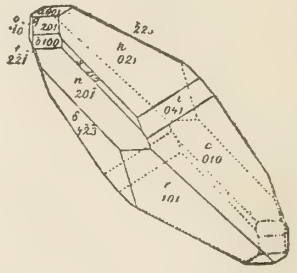

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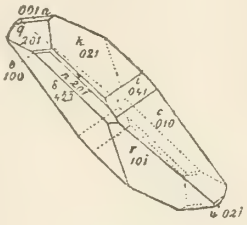

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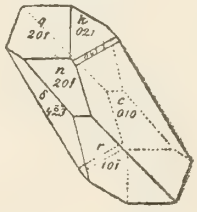

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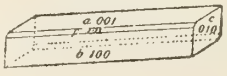

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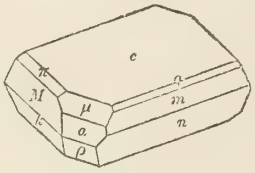

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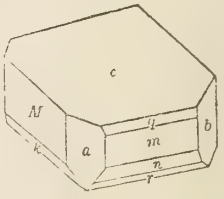

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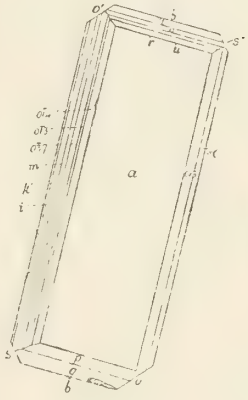

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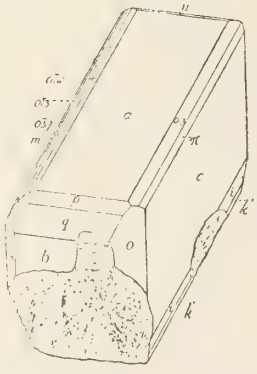
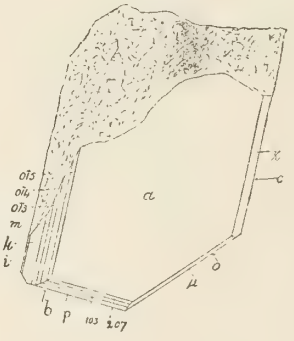


Fig. 62.



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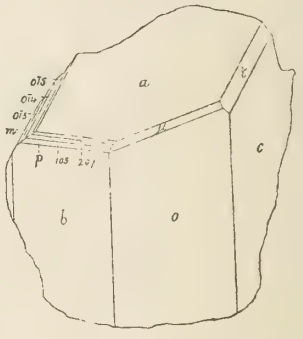

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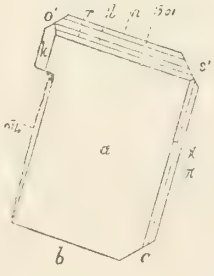

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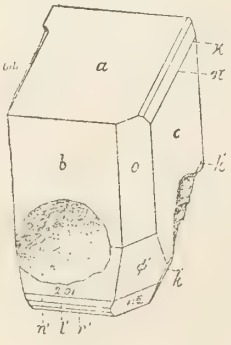

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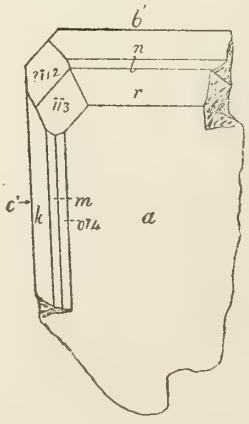

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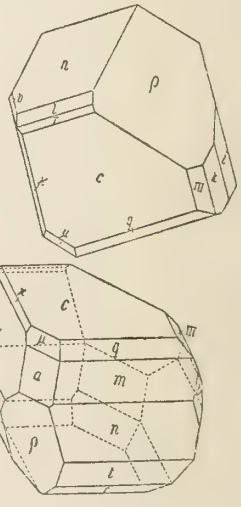
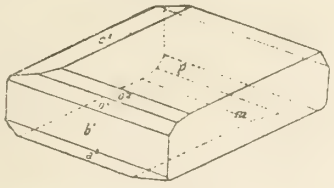


Pyroxen-Gruppe
Trikline Pyroxene (Rhodonit)

Fig. 68.



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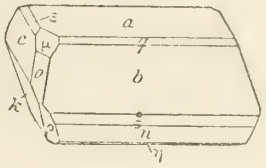

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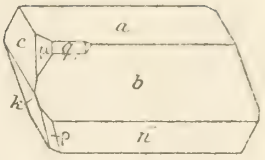

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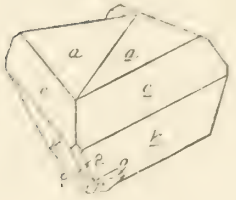
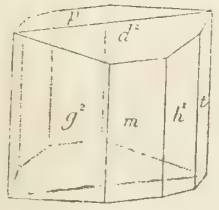


Pyroxen-Gruppe
Trikline Pyroxene (Babingtonit)

Fig. 1.



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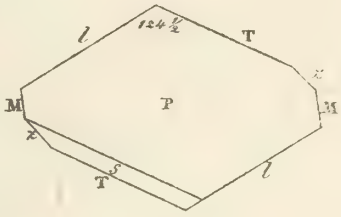

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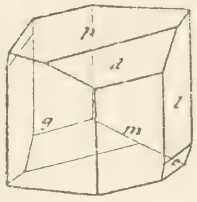

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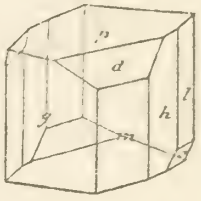

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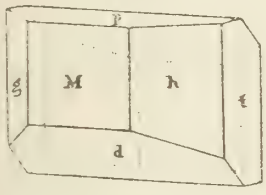

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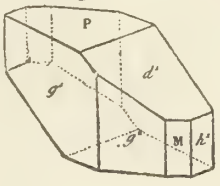

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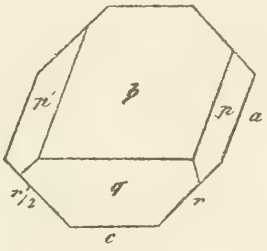

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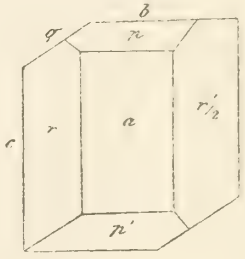

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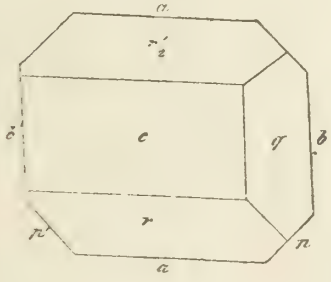

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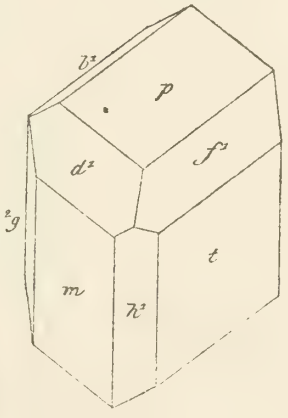

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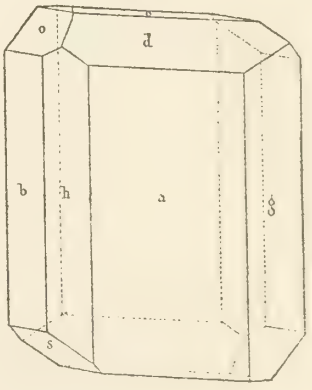

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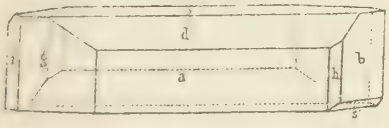

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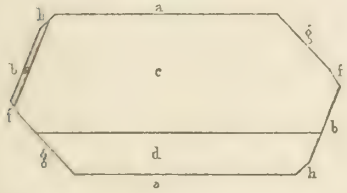

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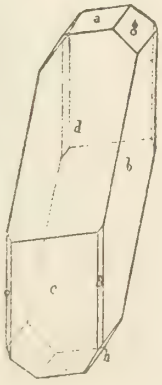

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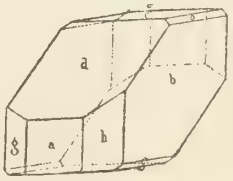

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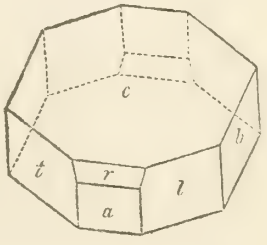
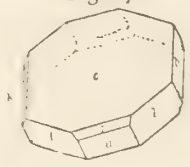


Pyroxen-Gruppe

Trikline Pyroxene (Babingtonit)

Fig. 17.



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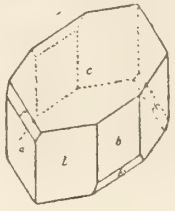

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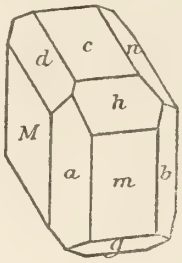

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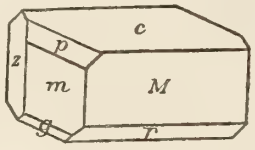

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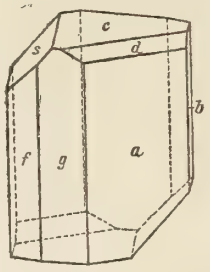

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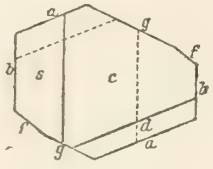

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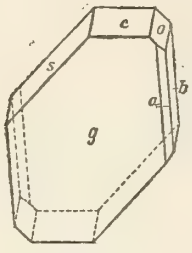

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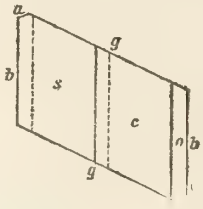

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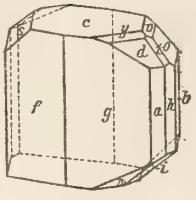

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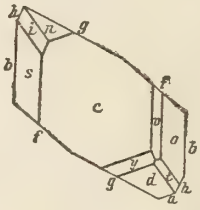

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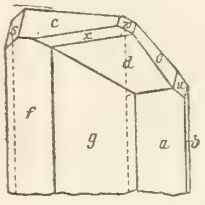

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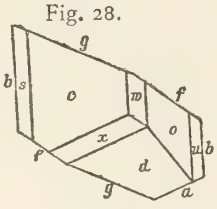

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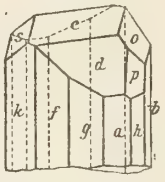

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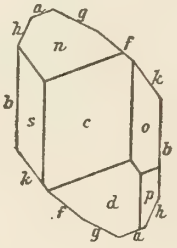

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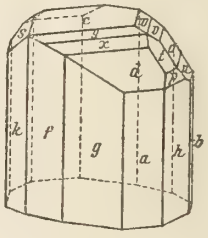

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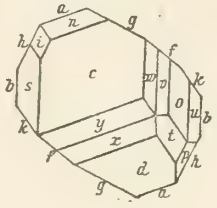

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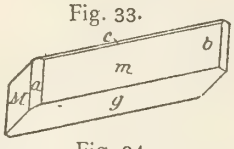

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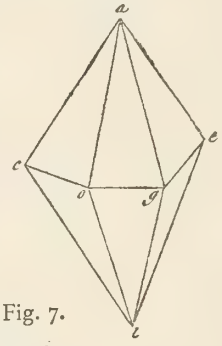
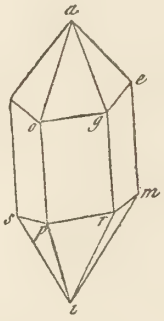


Fig. 2.



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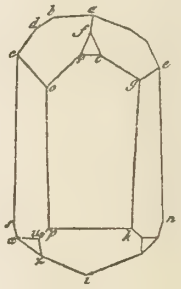

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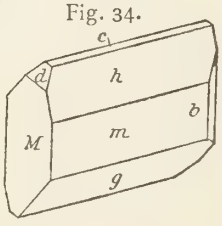

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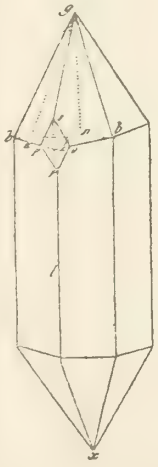

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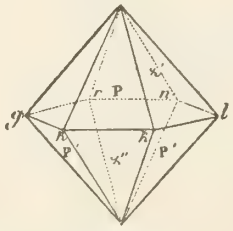

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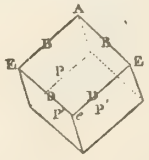

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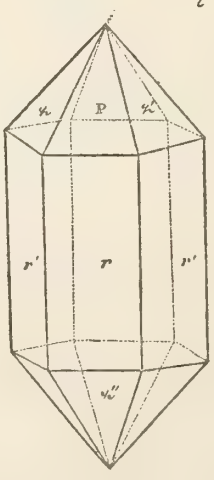

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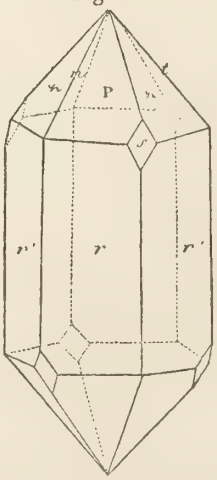

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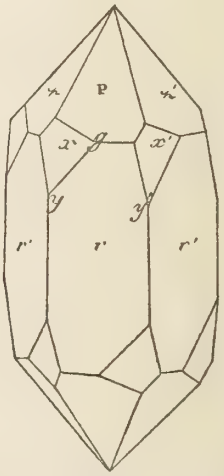

Quarz

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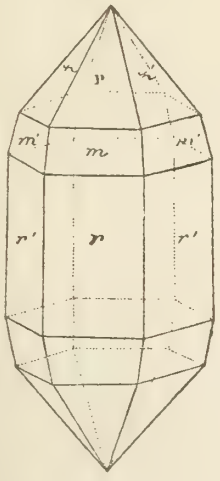
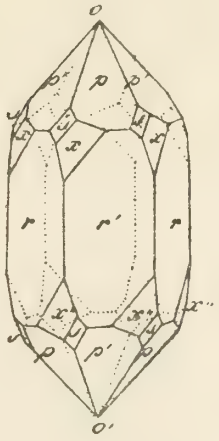


Fig. 11.



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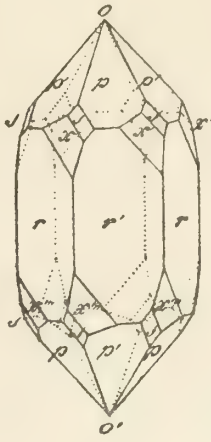

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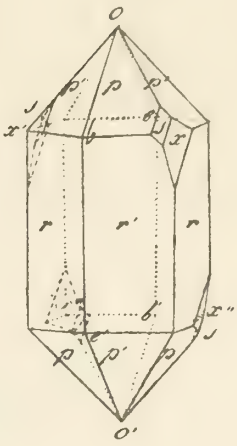

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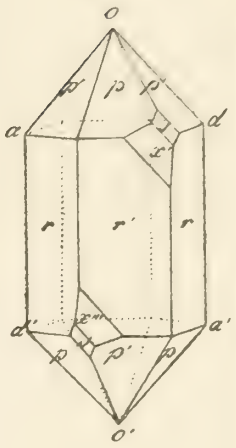

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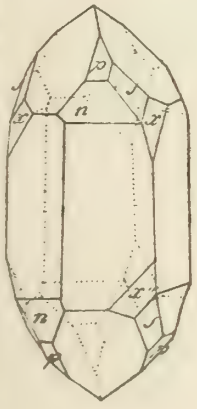

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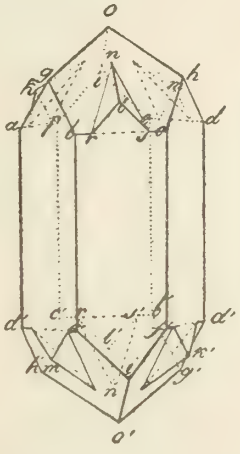

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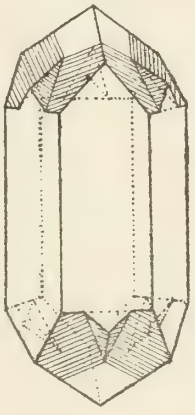

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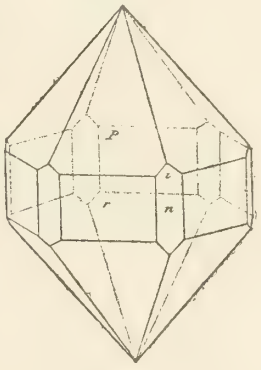

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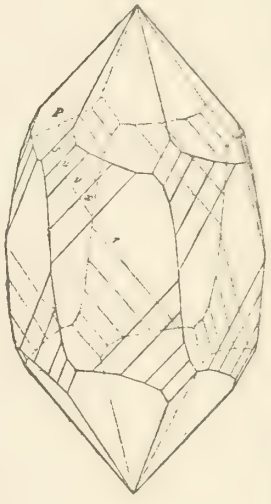

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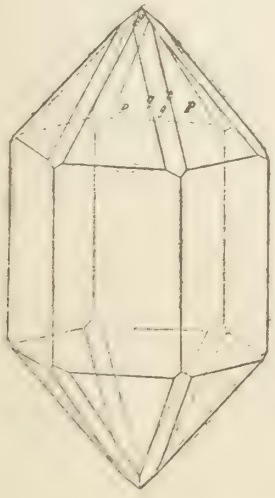

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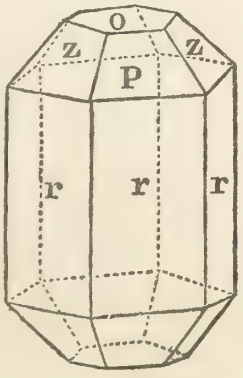

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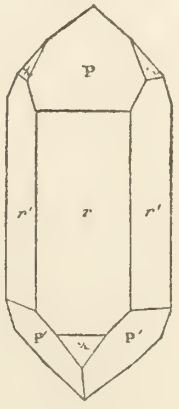

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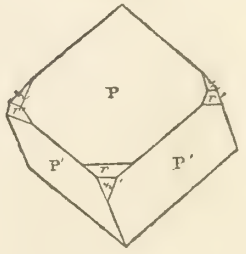

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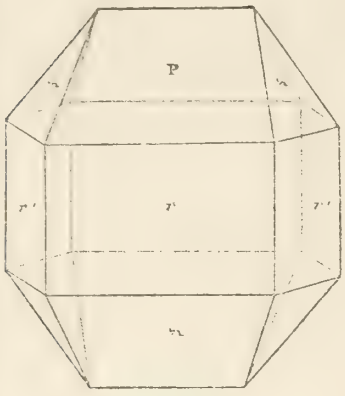

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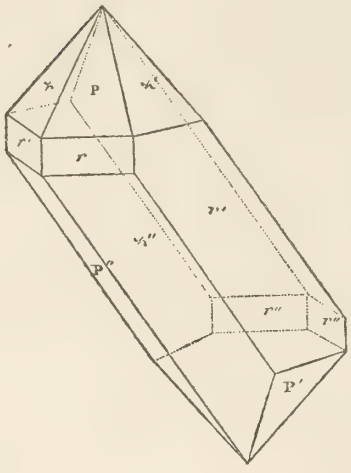

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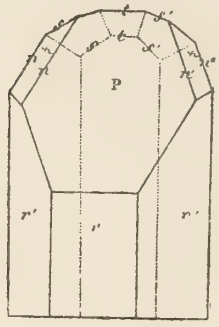

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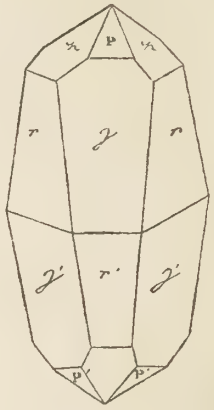

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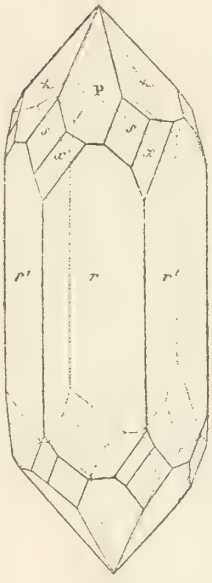

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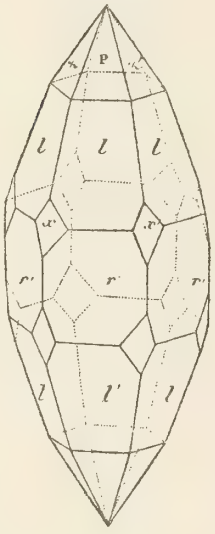

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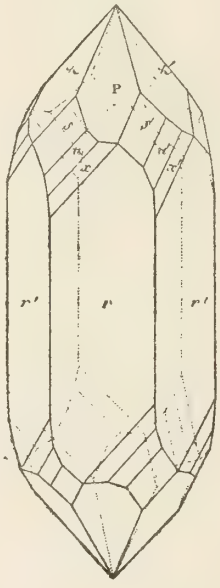

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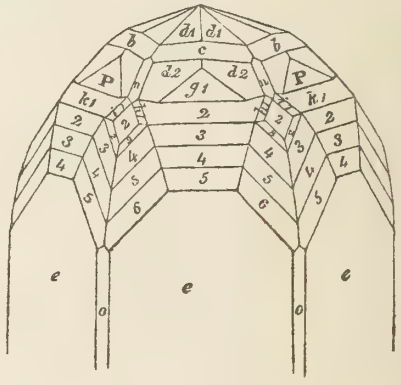

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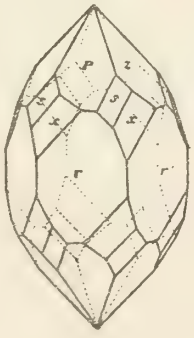

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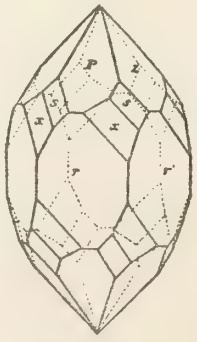

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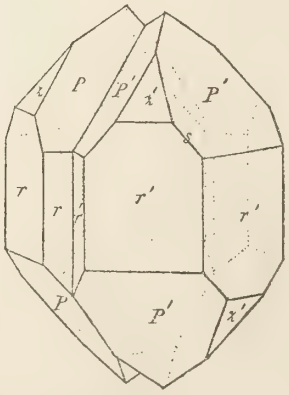

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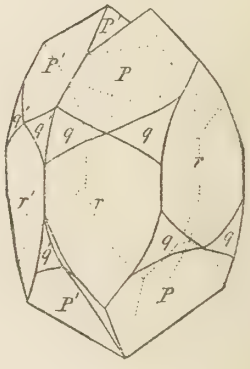

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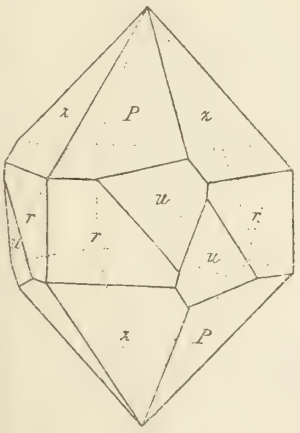

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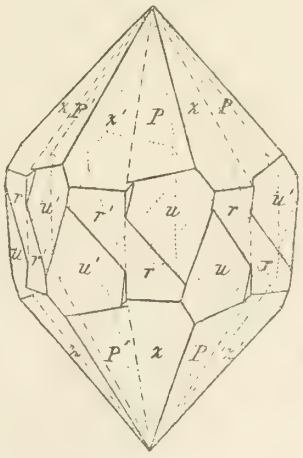
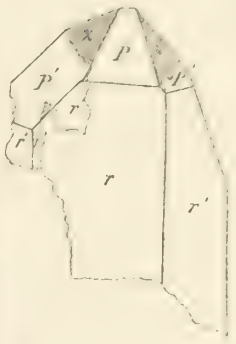


Fig. 37.

Fig. 38.



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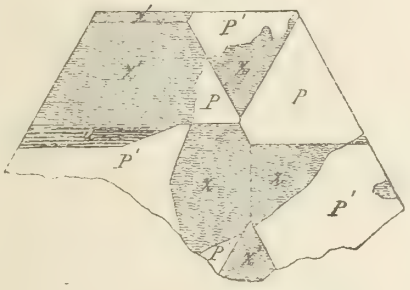

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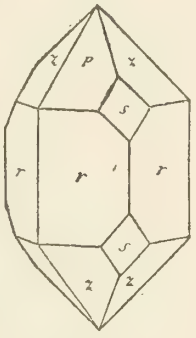

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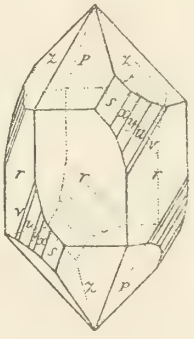

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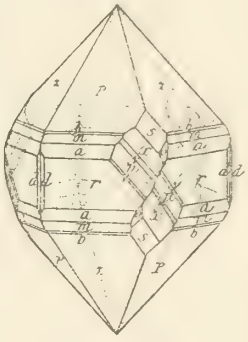

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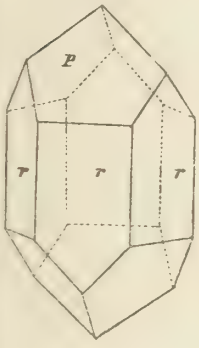

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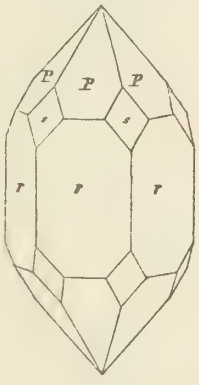

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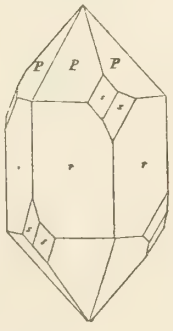

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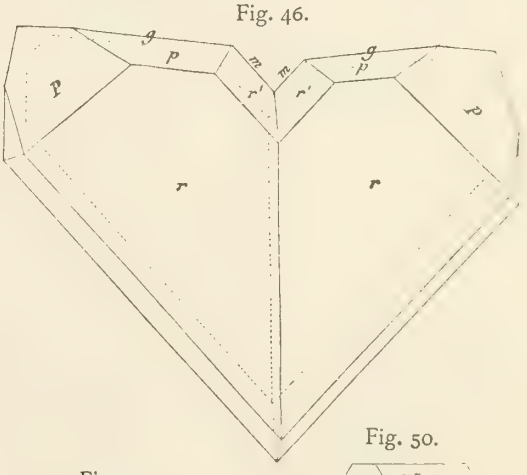

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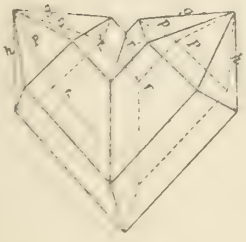

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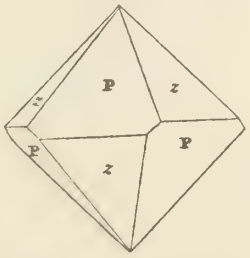

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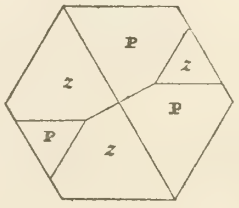

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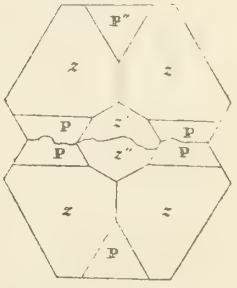

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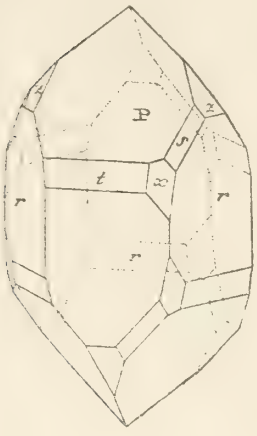

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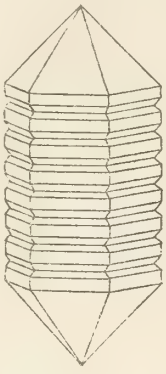

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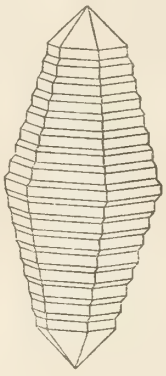

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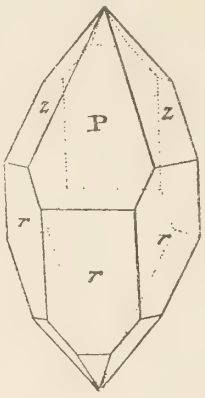

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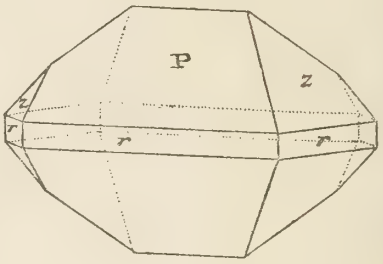

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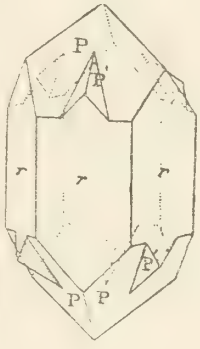

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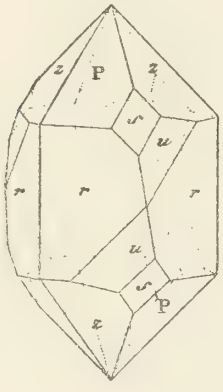

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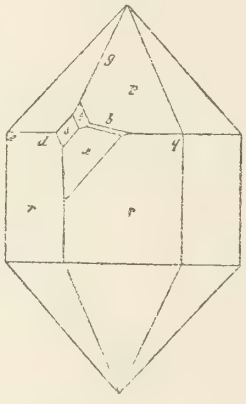

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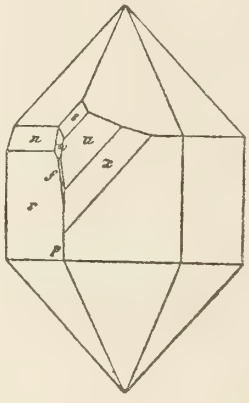
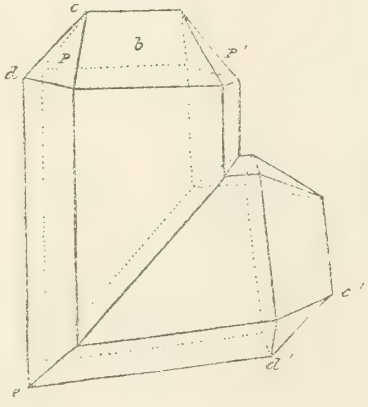


Fig. 60.

Fig. 61.

Fig. 62.

Fig. 63.



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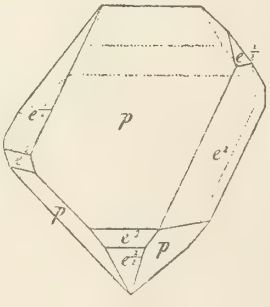

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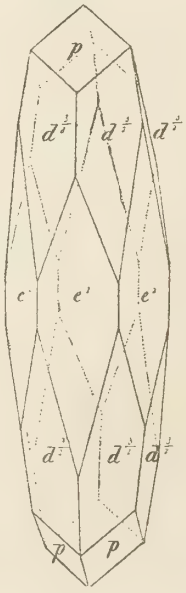

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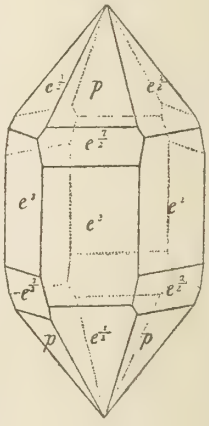

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Fig. 67.

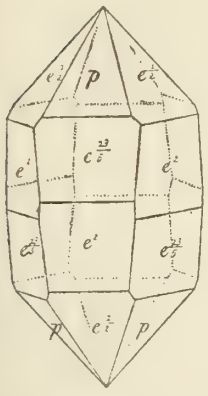
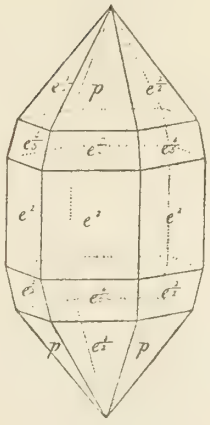


Fig. 68.



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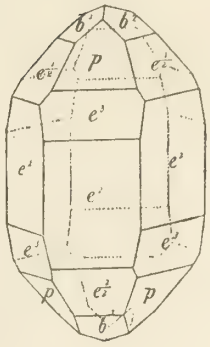

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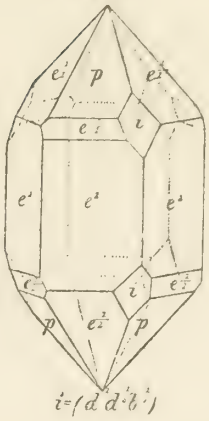

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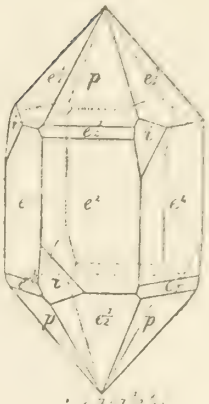

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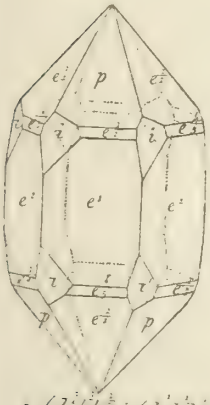

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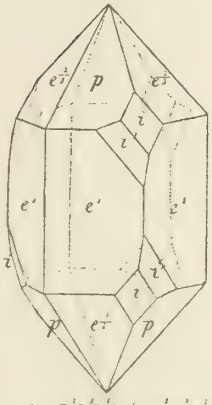

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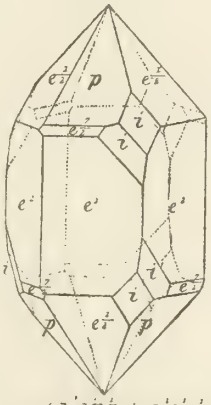

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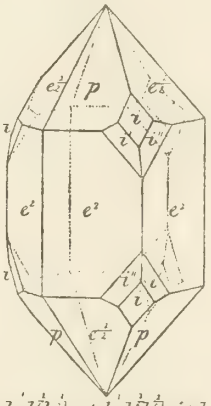

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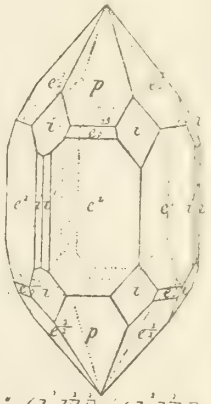

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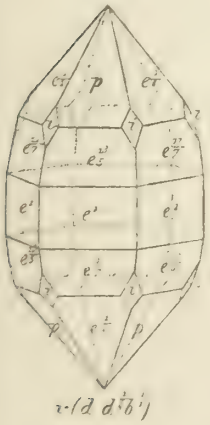

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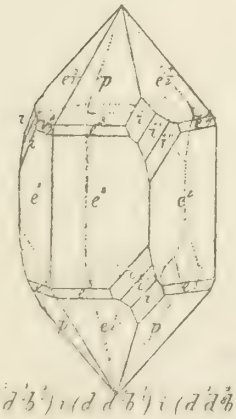

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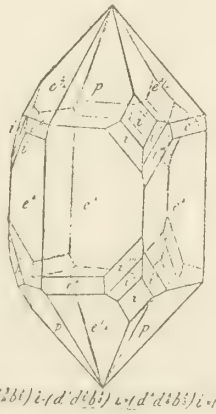

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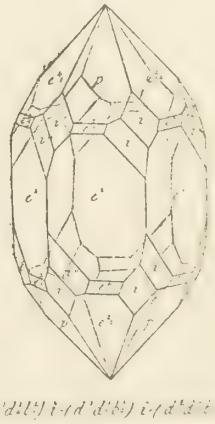

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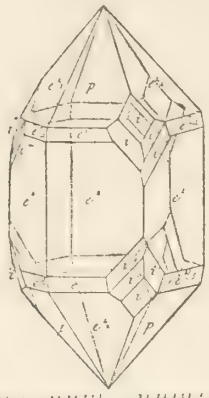

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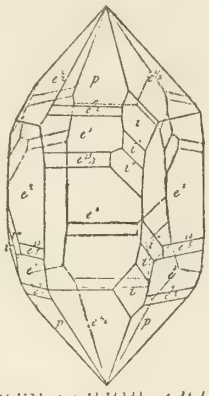

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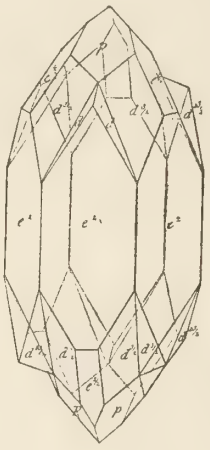

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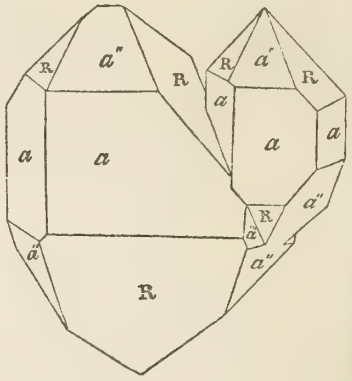

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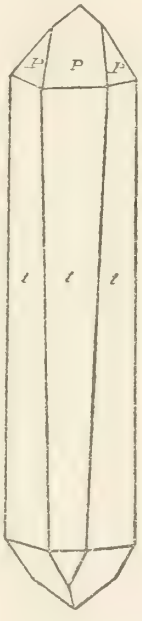

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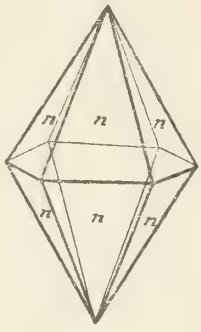

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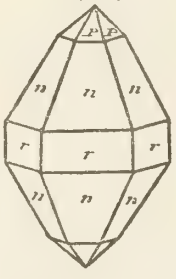

Fig. 88.

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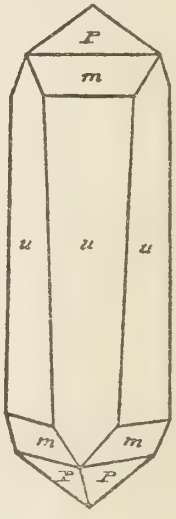

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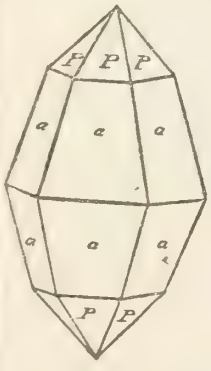

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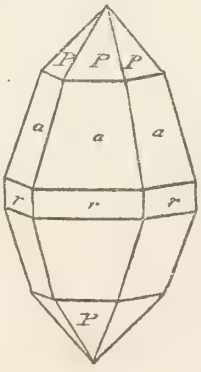

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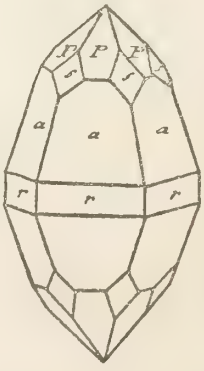

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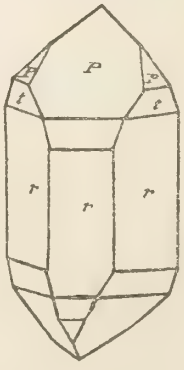

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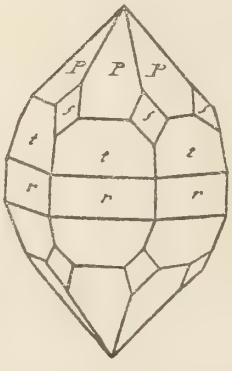

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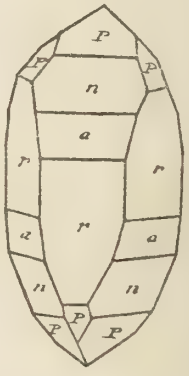

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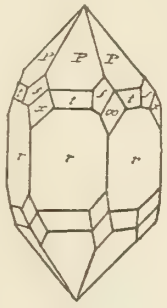

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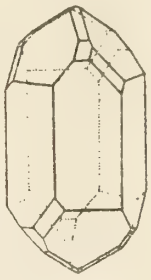

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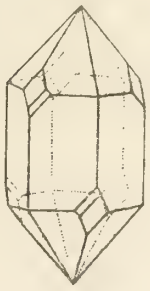

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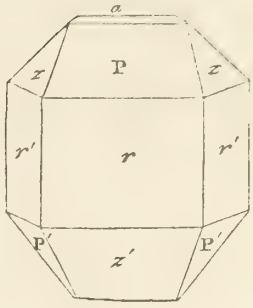

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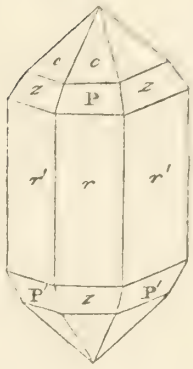

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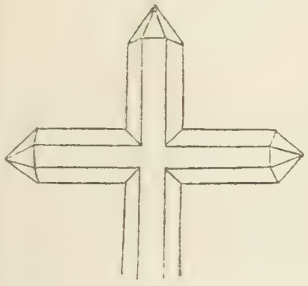

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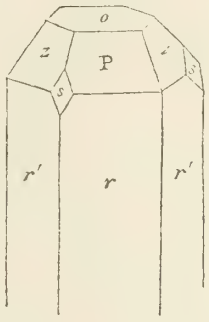

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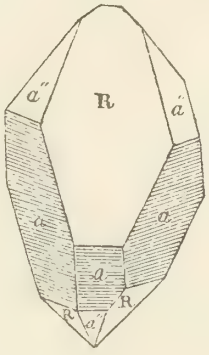

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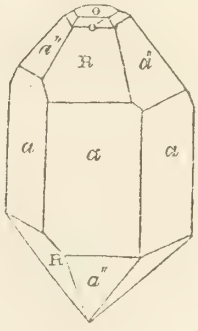

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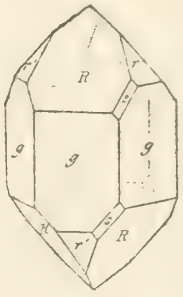

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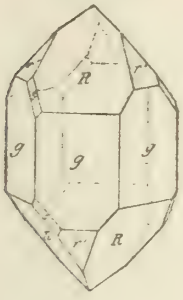

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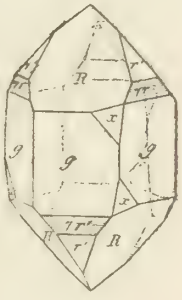

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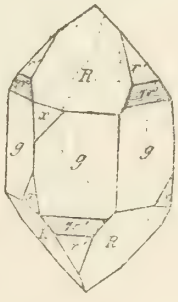

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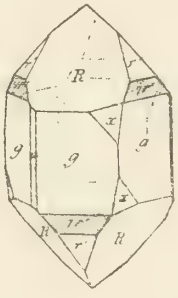

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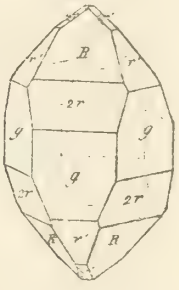

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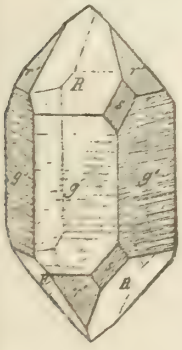

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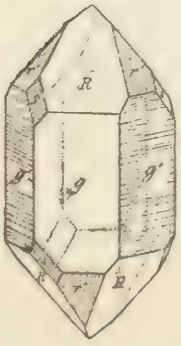

Fig. 114.

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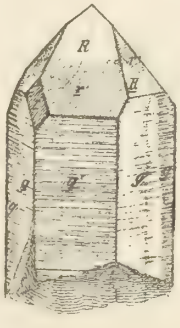

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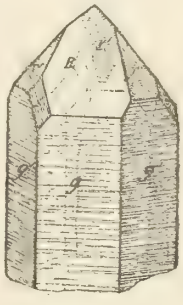

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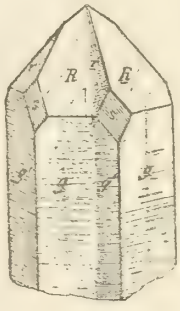

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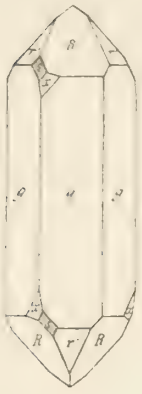

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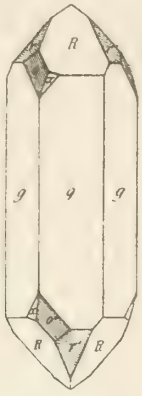

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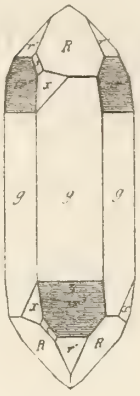
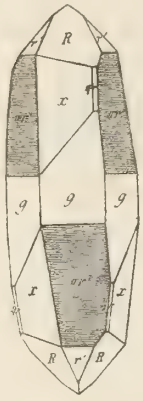


Fig. 121.

Fig. 122.



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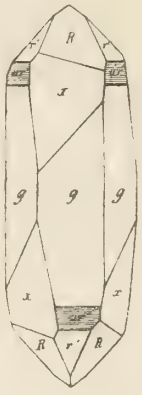
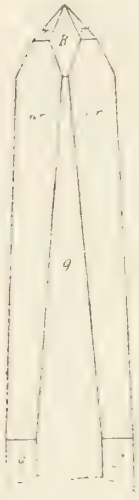


Fig. 124.

Fig. 125.



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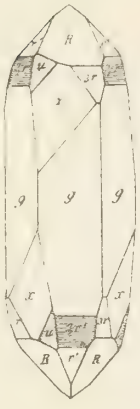
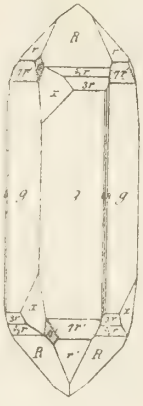


Fig. 127.



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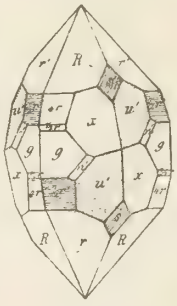
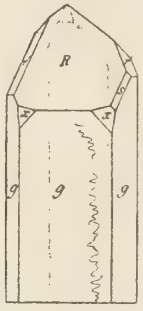


Fig. 129.

Fig. 130.



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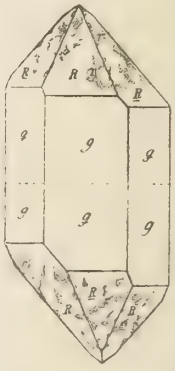
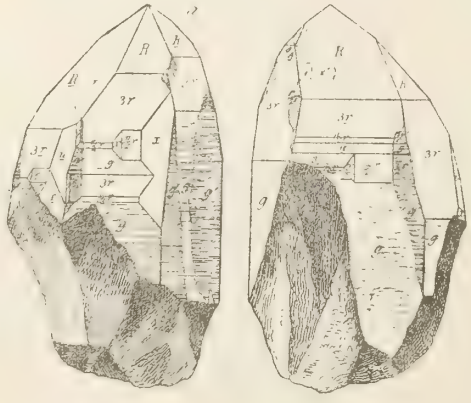


Fig. 132.

Fig. 133.



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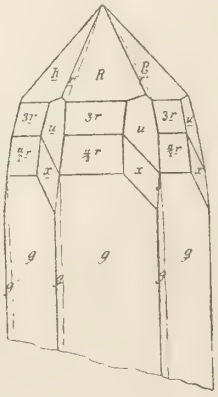

Fig. 135.

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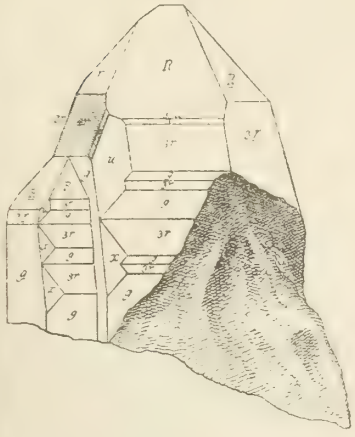
Fig. 136.



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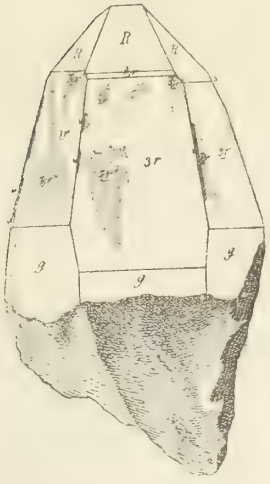
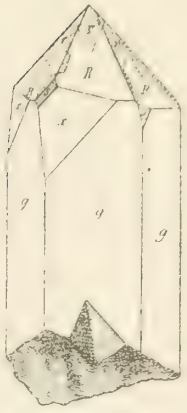


Fig. 138.

Fig. 139.



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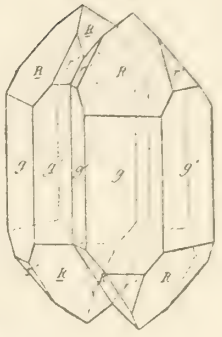

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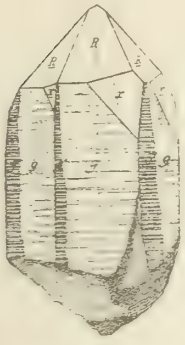

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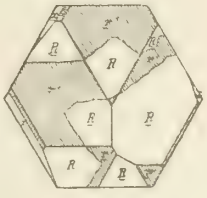

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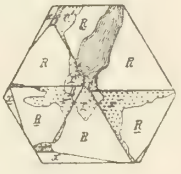

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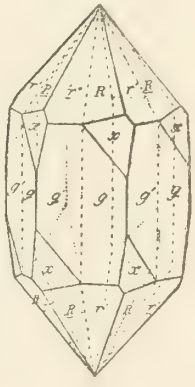

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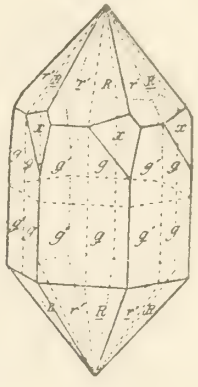

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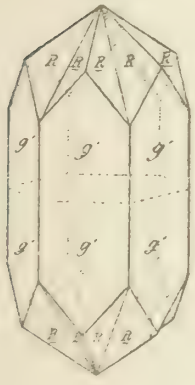
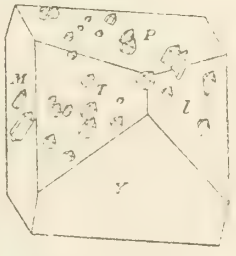


Fig. 147.

Fig. 148.



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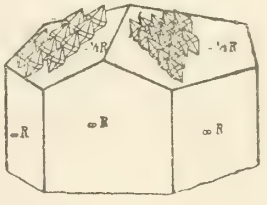

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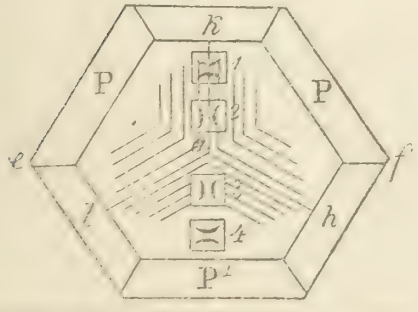

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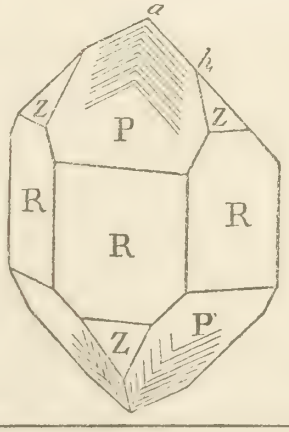

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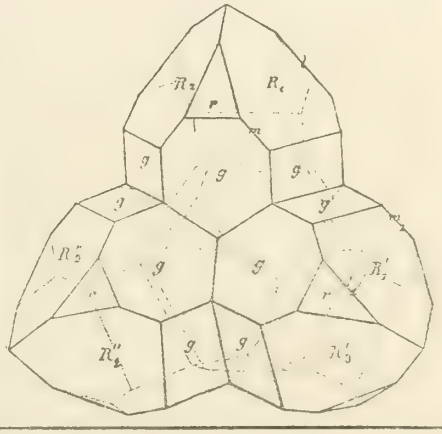

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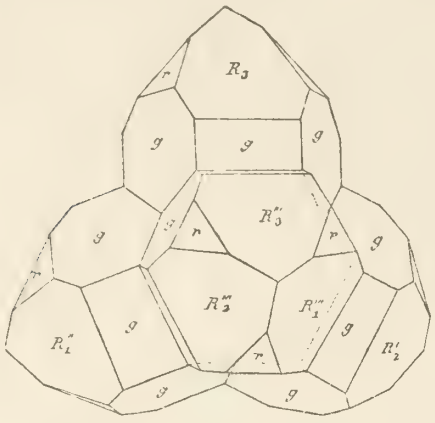

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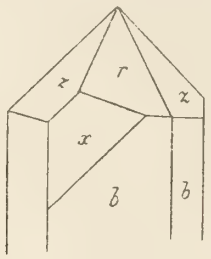

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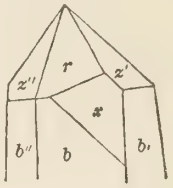

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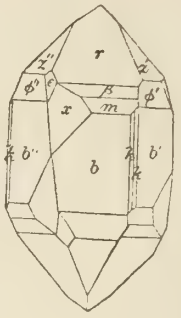

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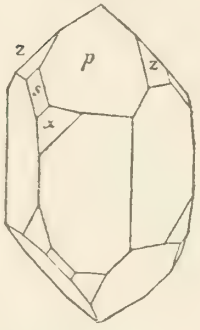

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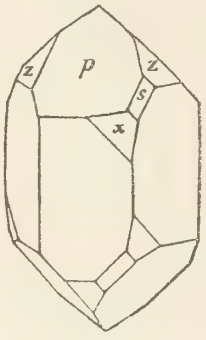

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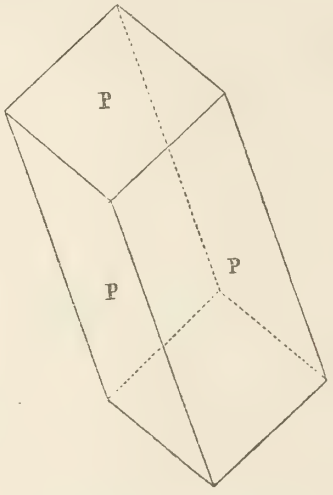

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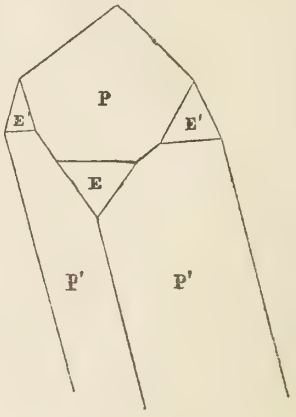

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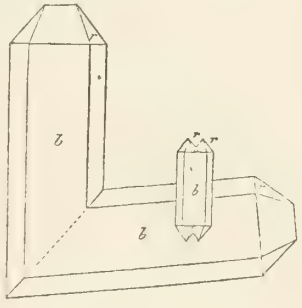

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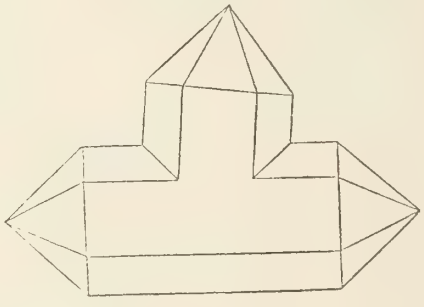

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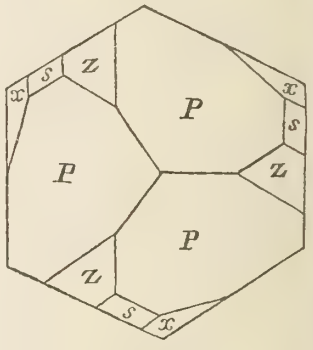

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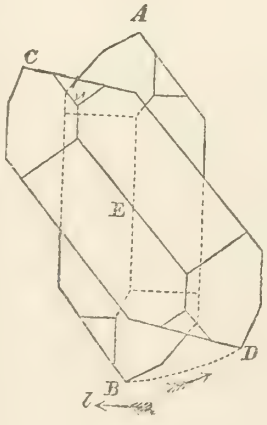

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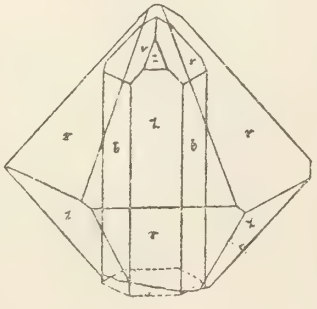

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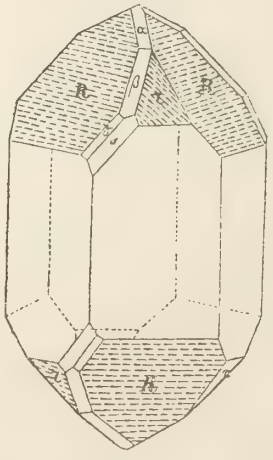

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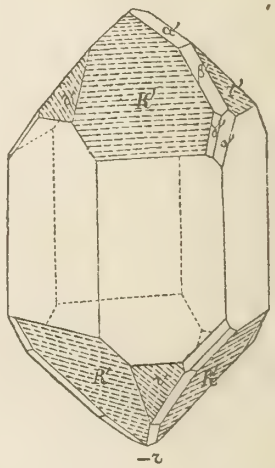

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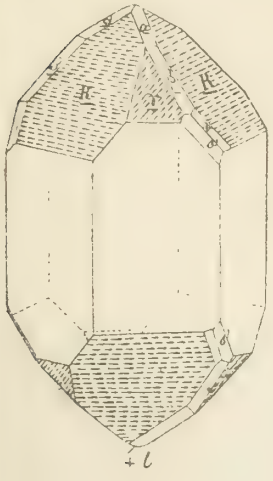

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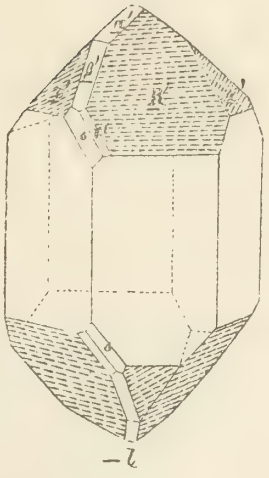

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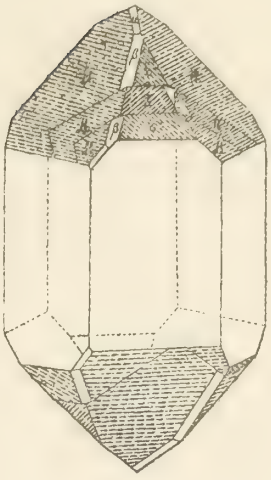

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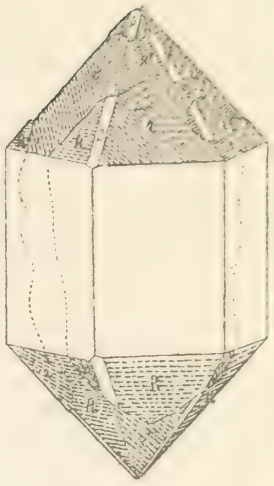

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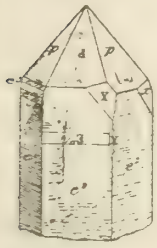

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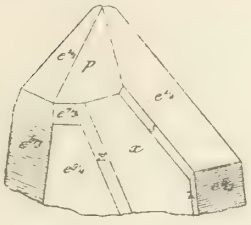

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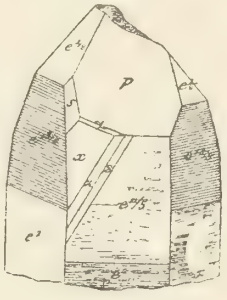

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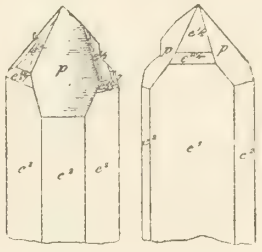

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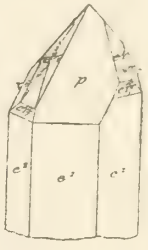
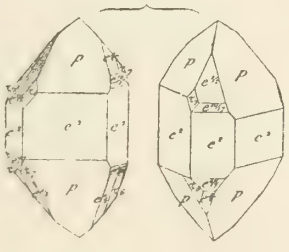


Fig. 177.

Fig. 178.



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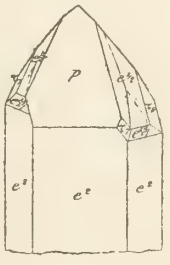

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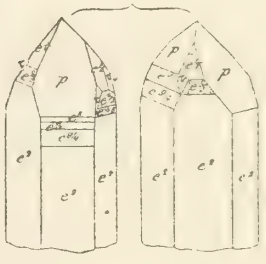

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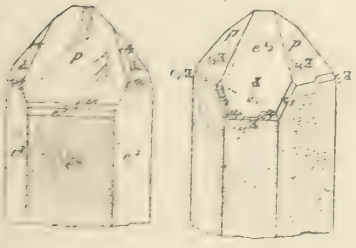

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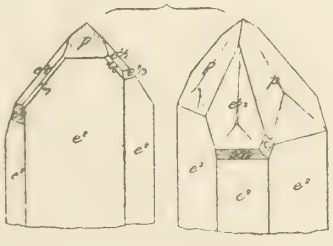
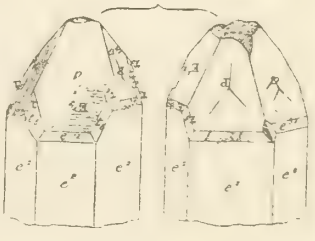


Fig. 183.

Fig. 184.



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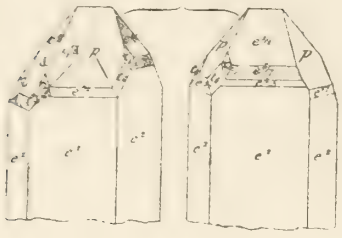

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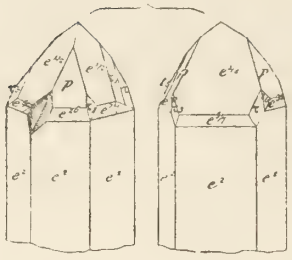

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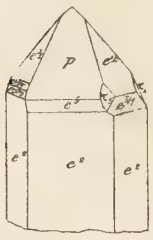


Fig. 188.

Fig. 189.

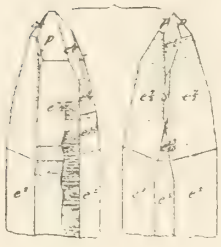
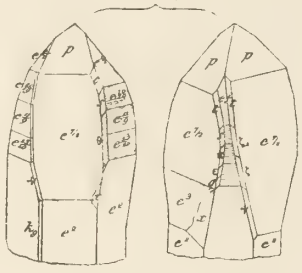


Fig. 190.

Fig. 191.



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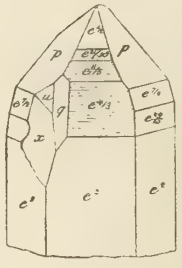

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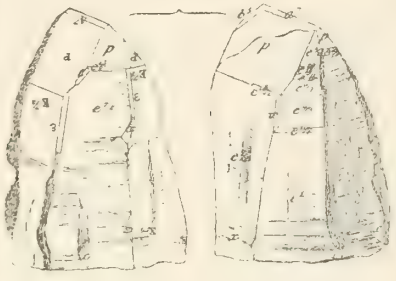

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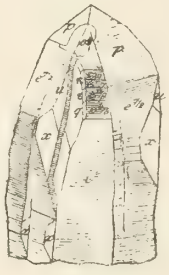

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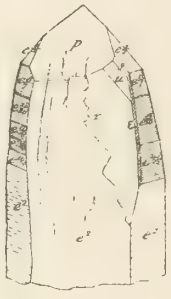

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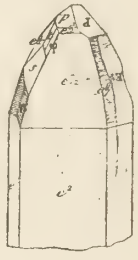


Fig. 197.

Fig. 198.

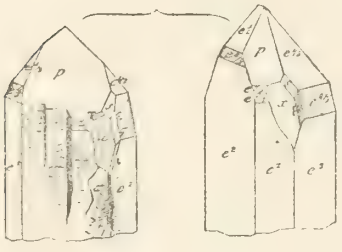
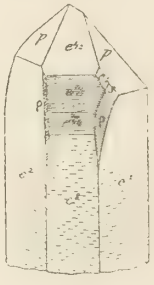


Fig. 199.

Fig. 200.

Fig. 201.



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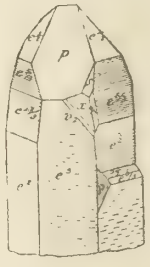
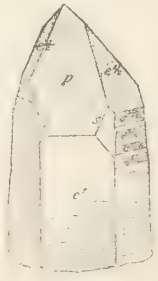


Fig. 203.

Fig. 204.

Fig. 205.



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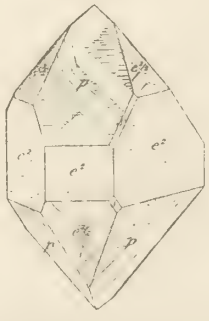

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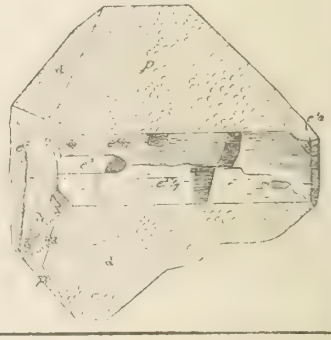

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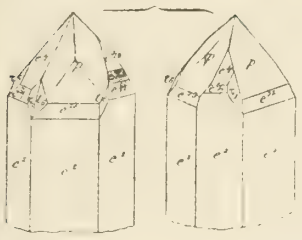


Fig. 209.

Fig. 210.

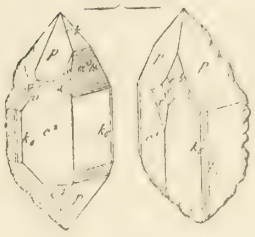
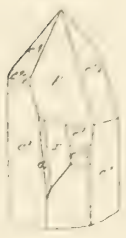


Fig. 211.

Fig. 212.



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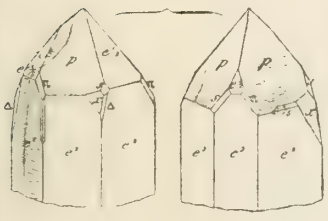

Fig. 214.

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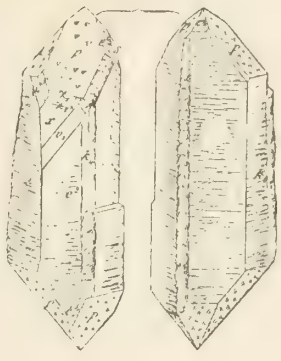

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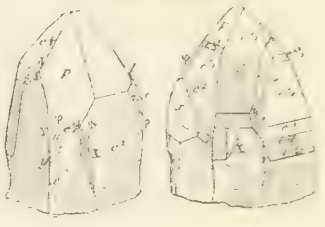

Fig. 217.

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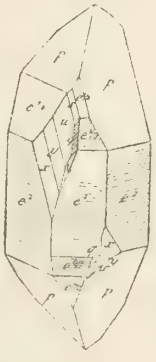

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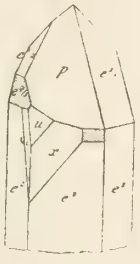

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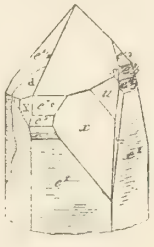

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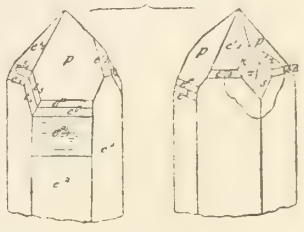

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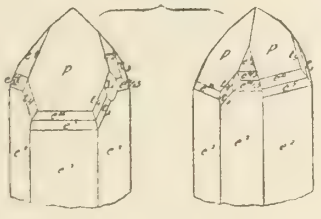

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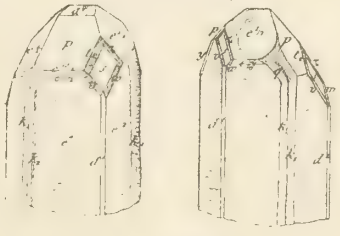

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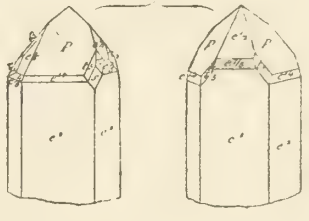

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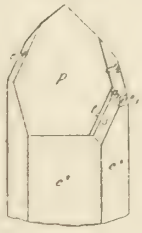

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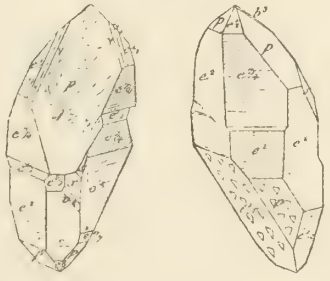

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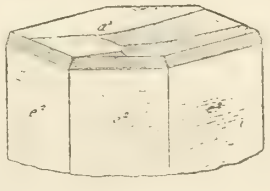

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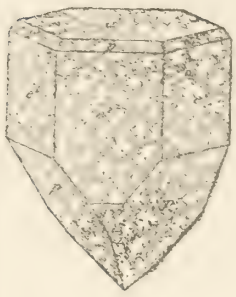

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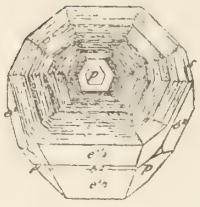

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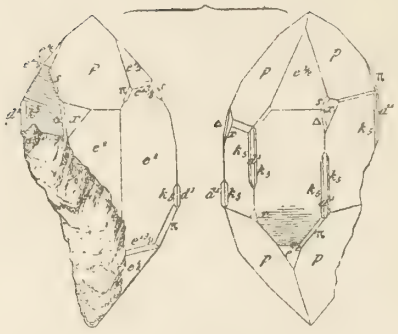

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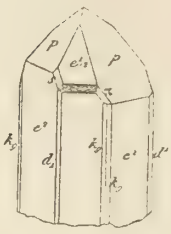

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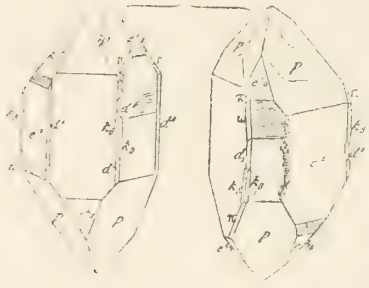

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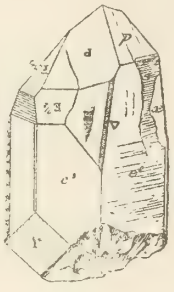

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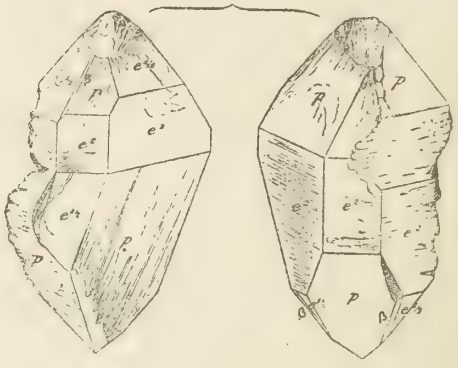

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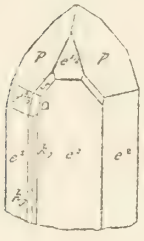

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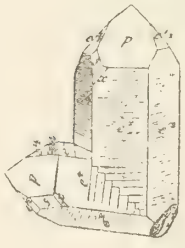

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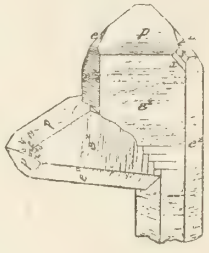

Fig. 242.

Fig. 243.

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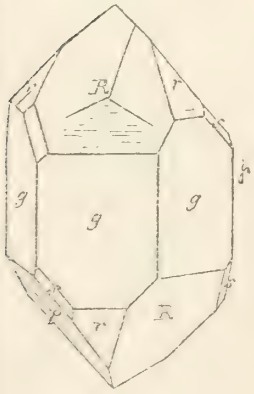
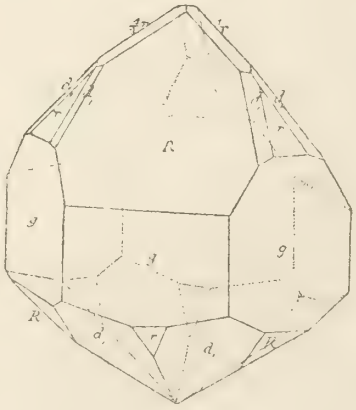


Fig. 245.

Fig. 246.



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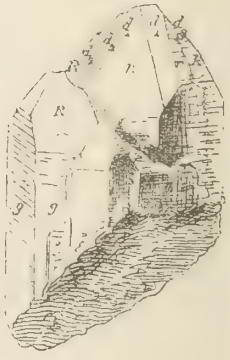
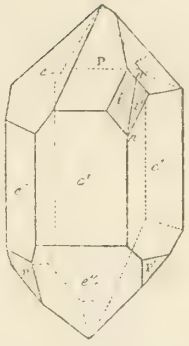


Quarz

Fig. 248.

Fig. 249.



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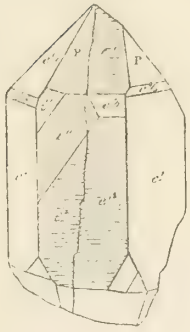

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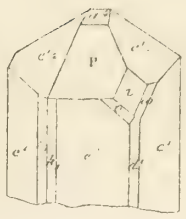

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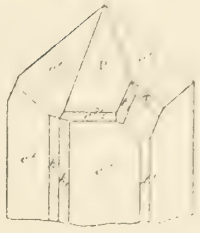

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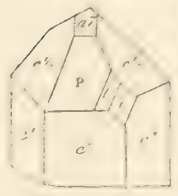

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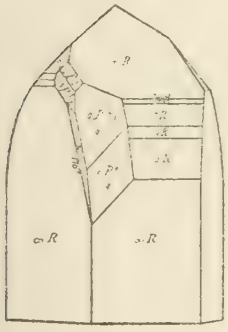

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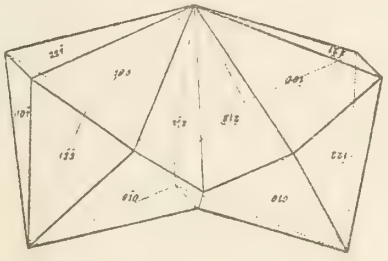

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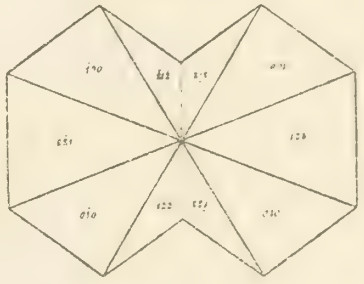

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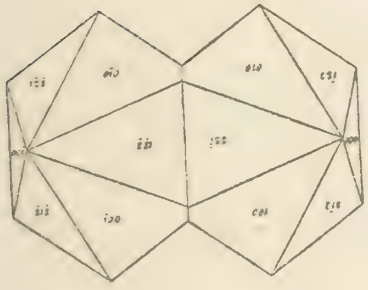

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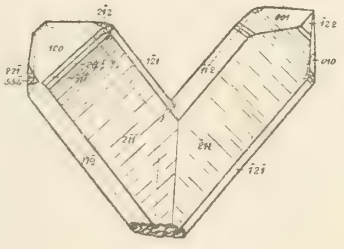

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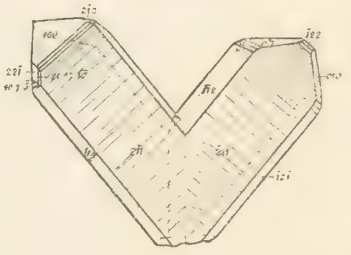

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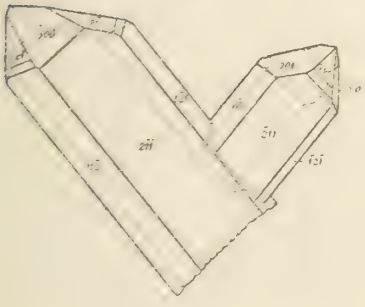
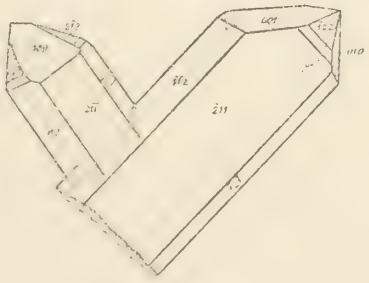


Fig. 261.



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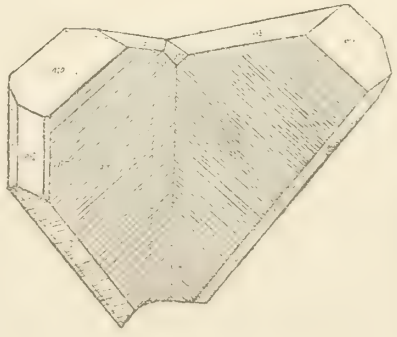

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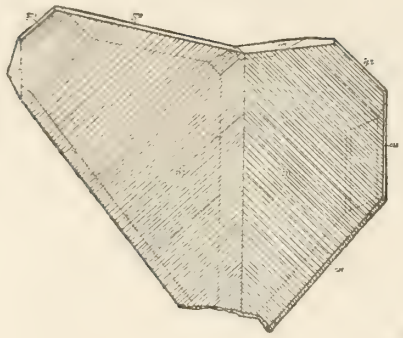

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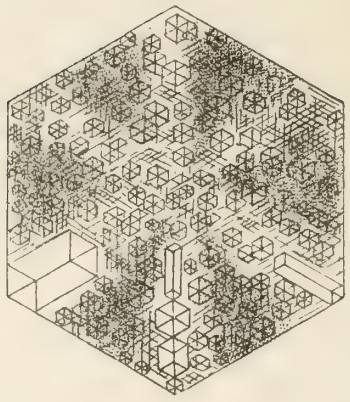

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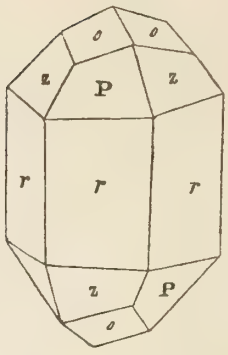

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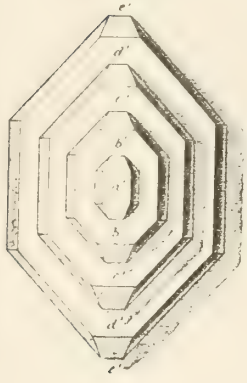

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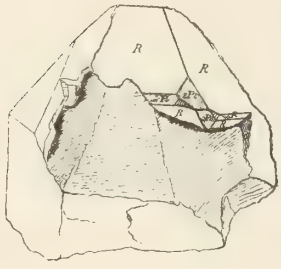

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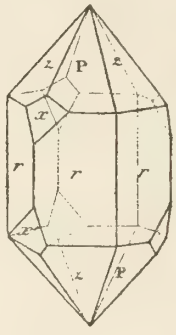

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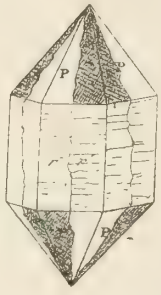

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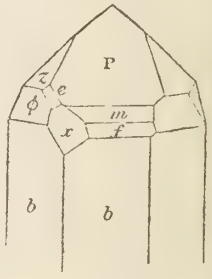

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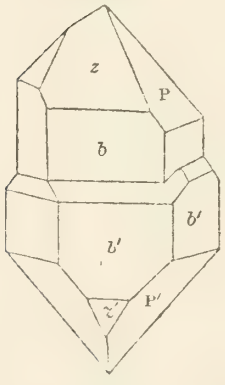

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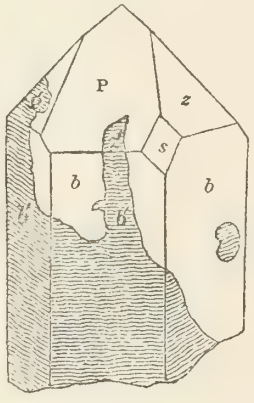

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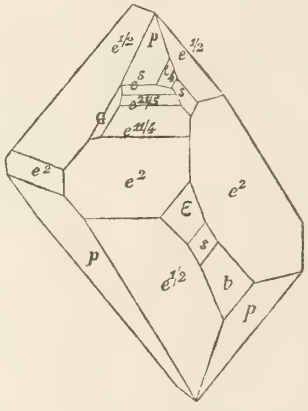

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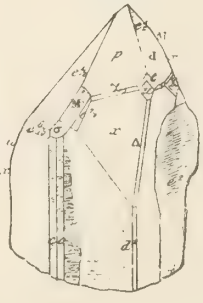

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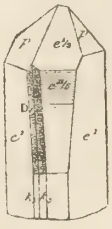

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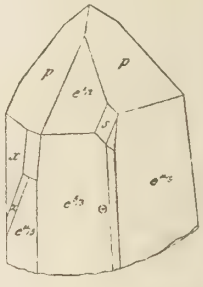

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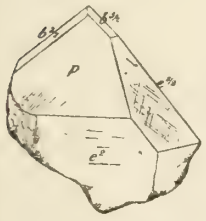

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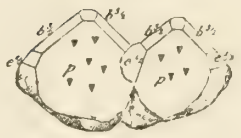

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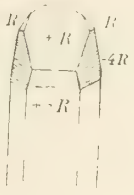

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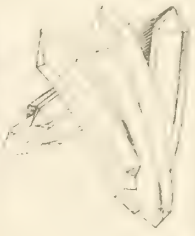

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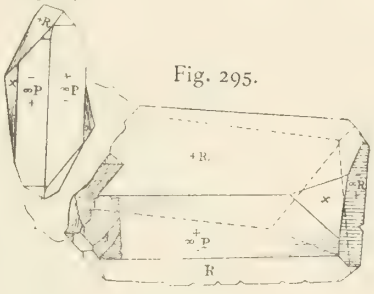

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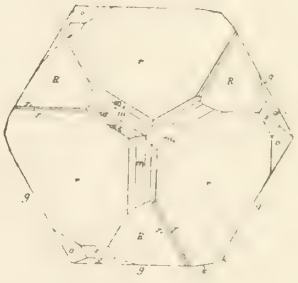

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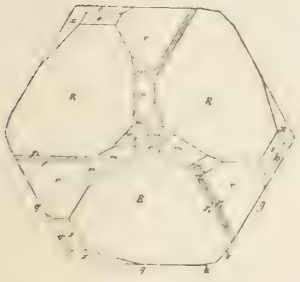

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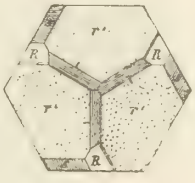

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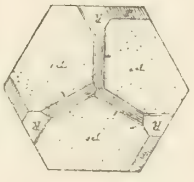

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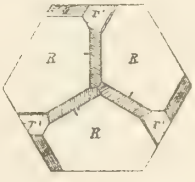

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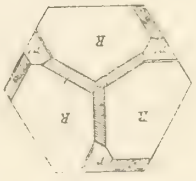

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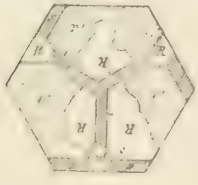

Fig. 304.

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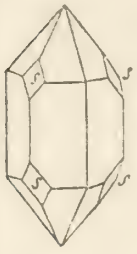
Fig. 306.



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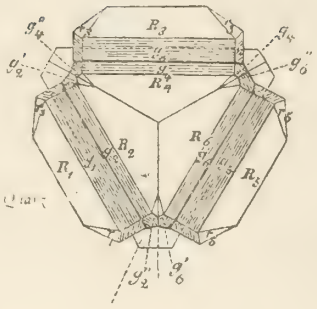

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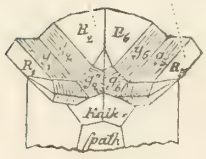

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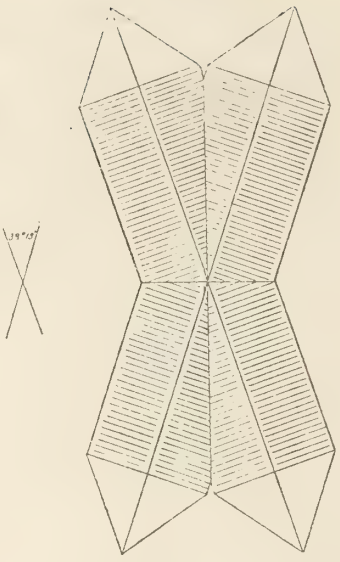

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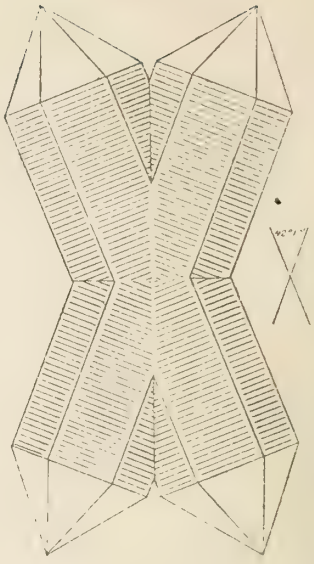

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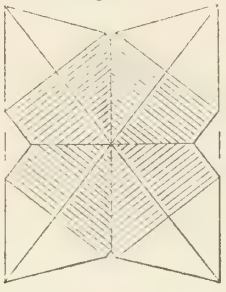

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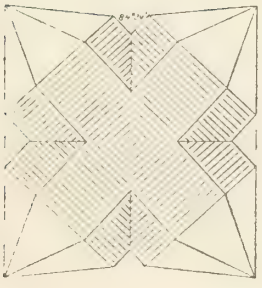

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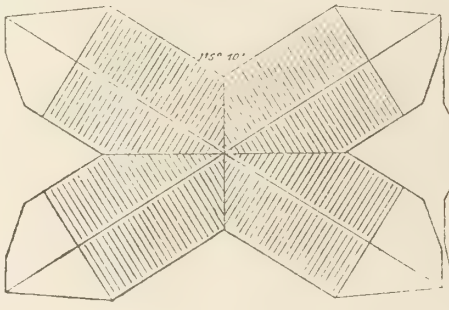

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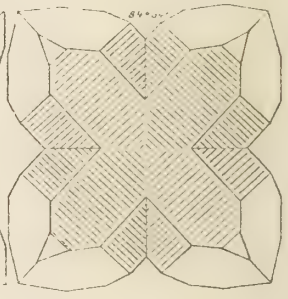

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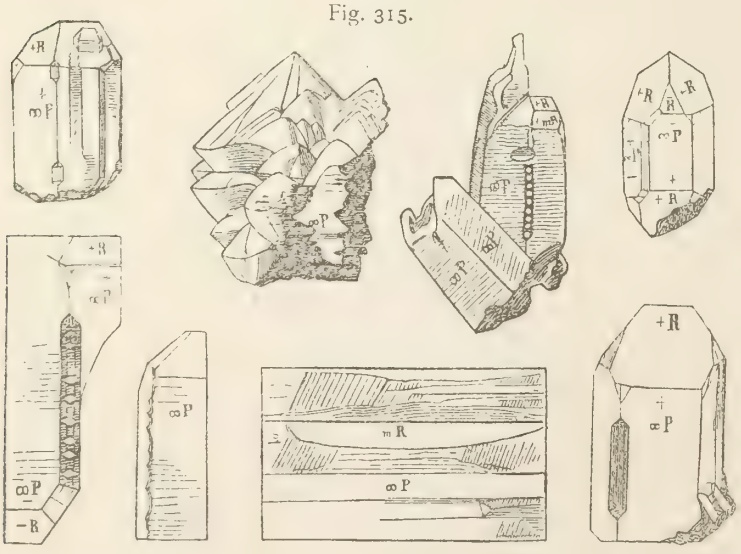

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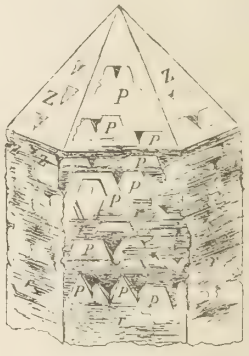

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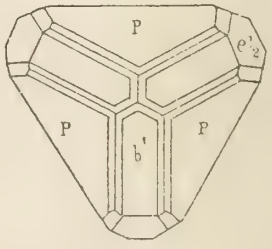

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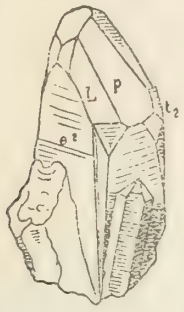

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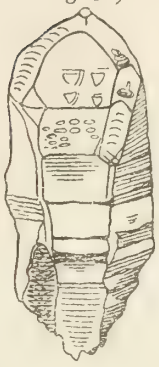

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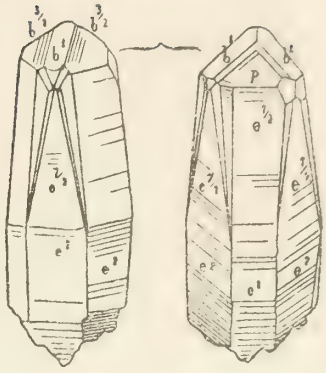

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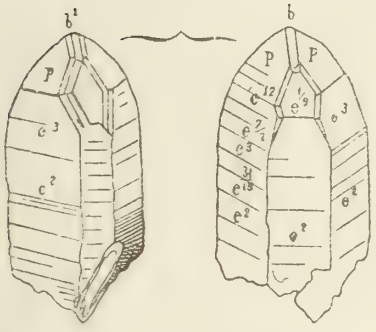

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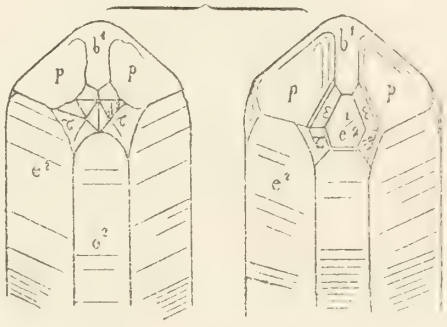

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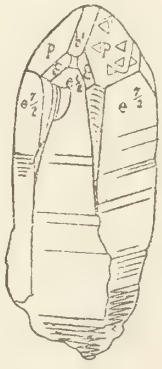
Fig. 325.



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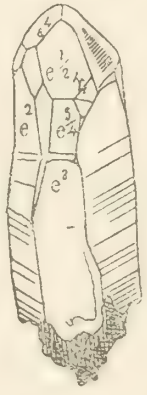

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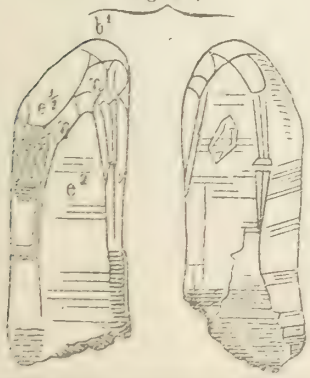

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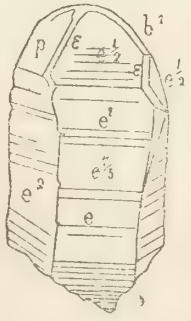

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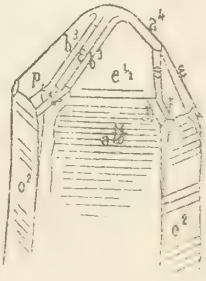

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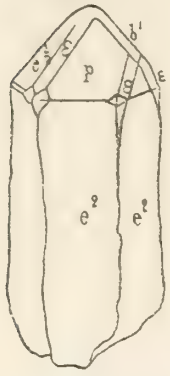

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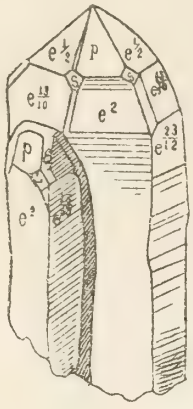

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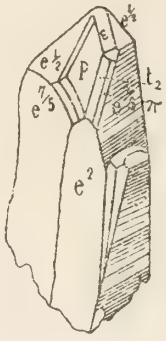
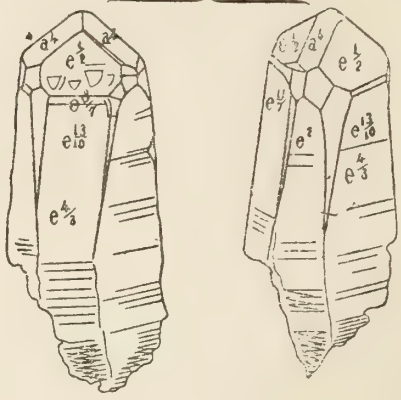


Fig. 334.



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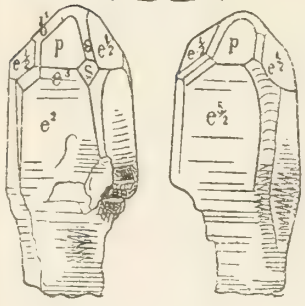

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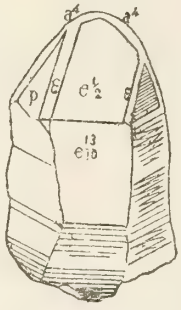

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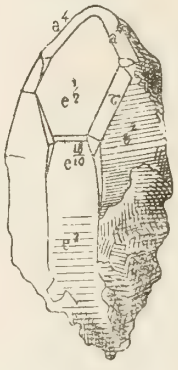

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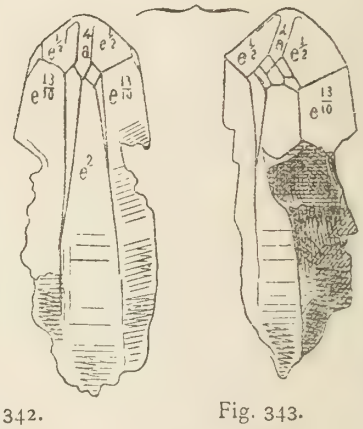

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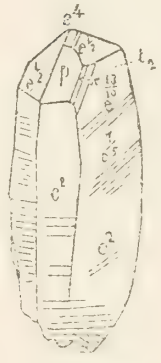

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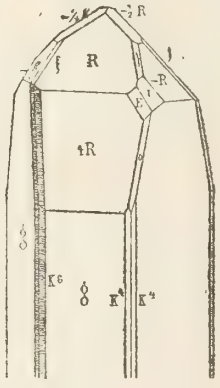

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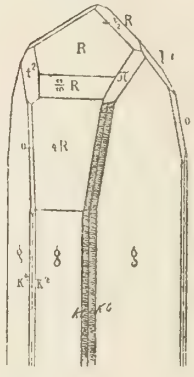

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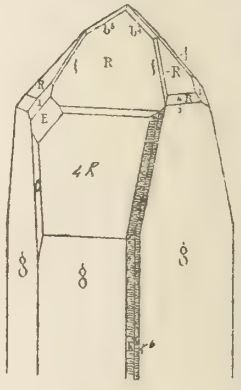

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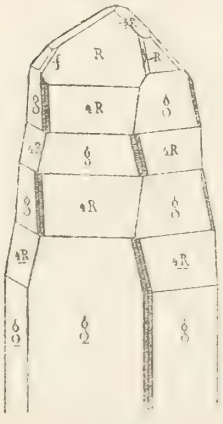

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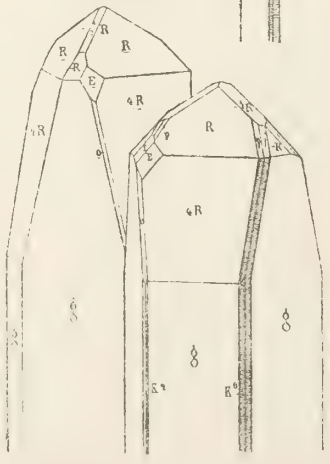

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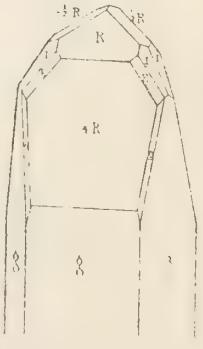

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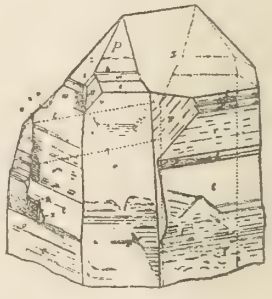

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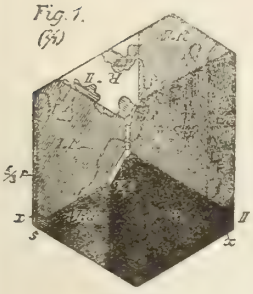

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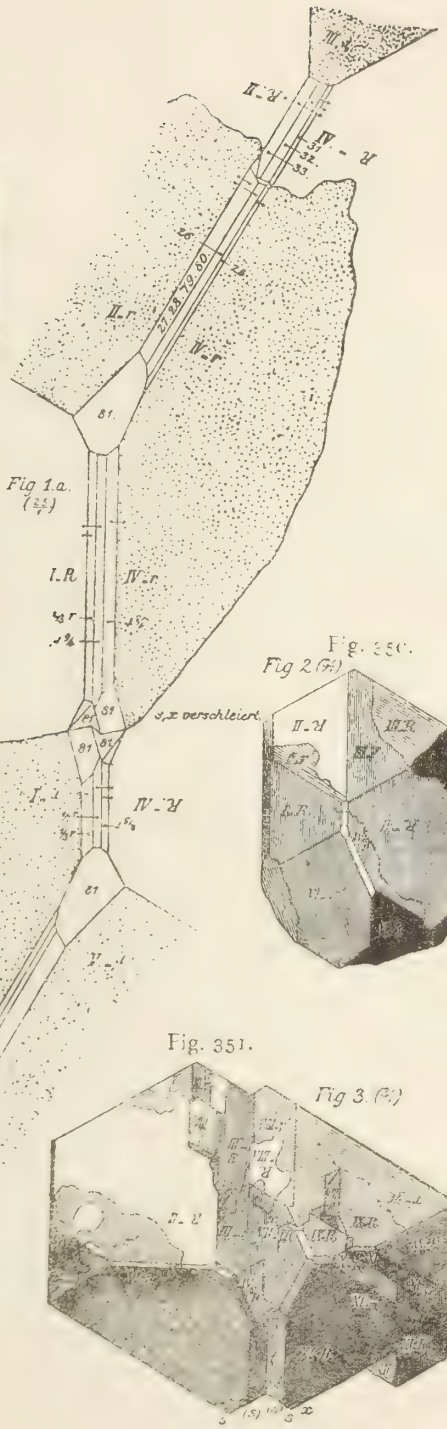

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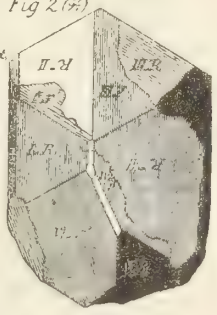

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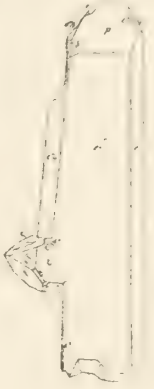

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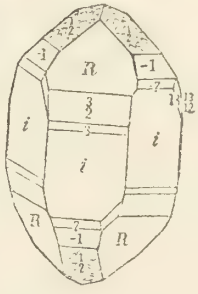
Fig. 356.



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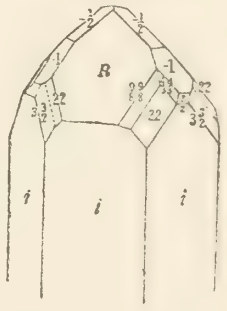

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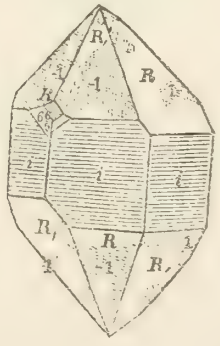

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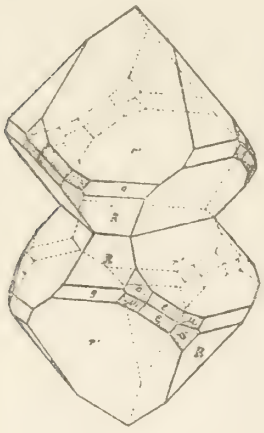

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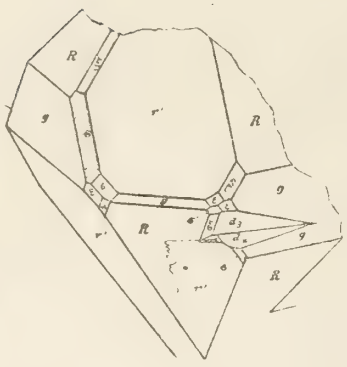

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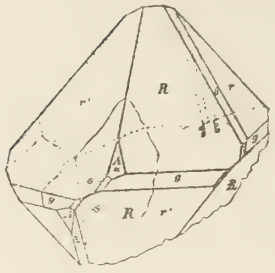

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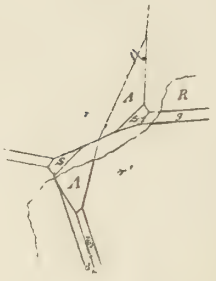

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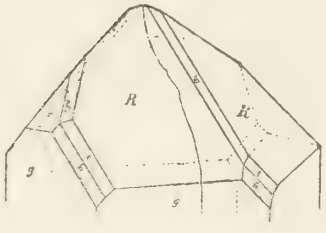

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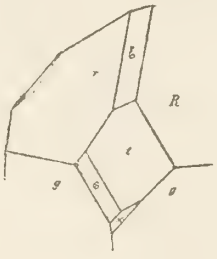

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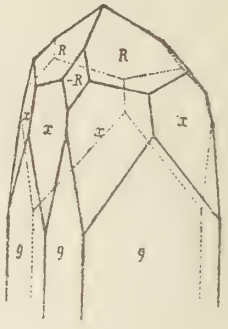

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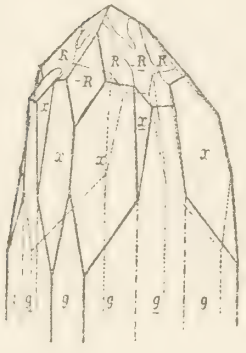

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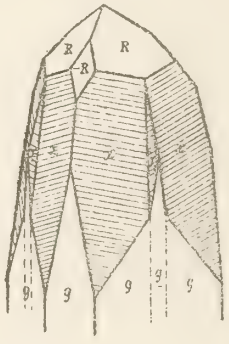

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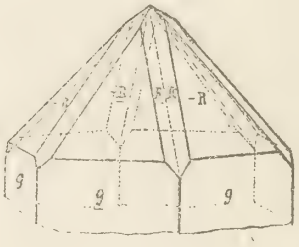

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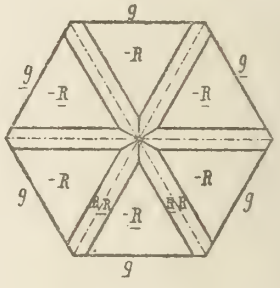

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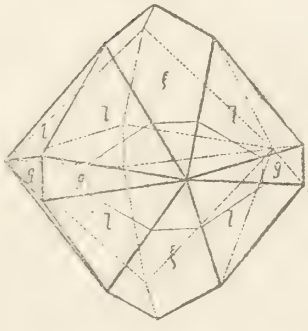

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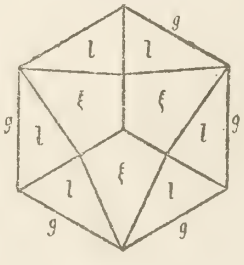

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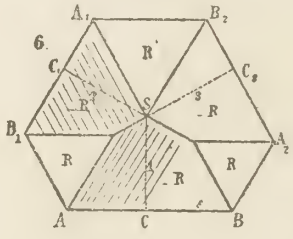

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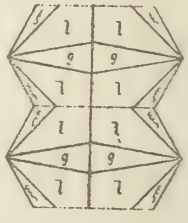

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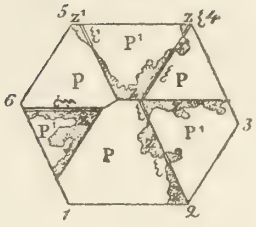

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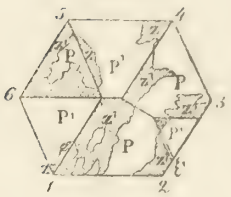

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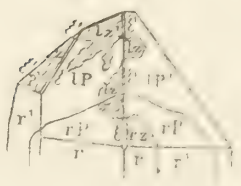

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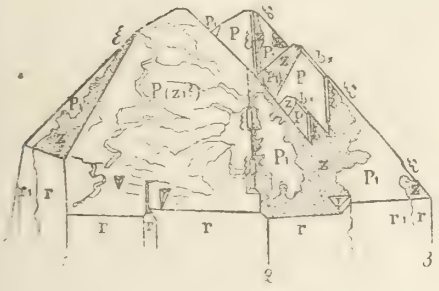

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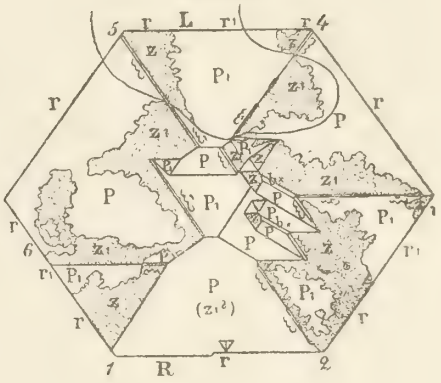

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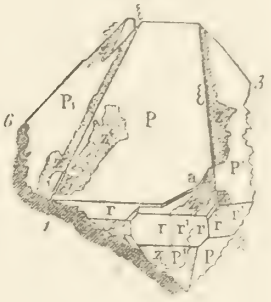

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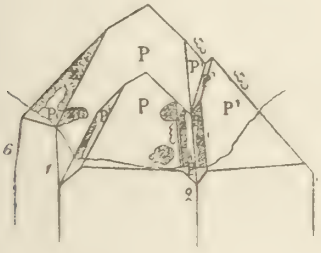

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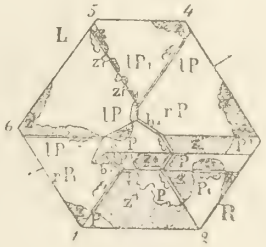

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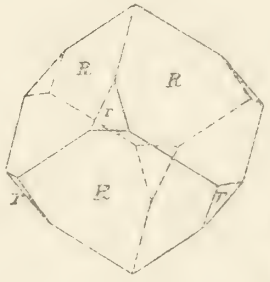

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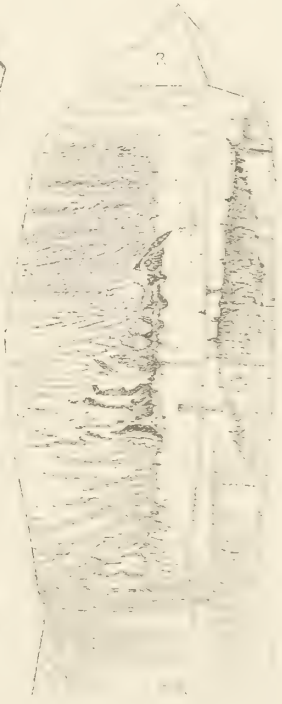

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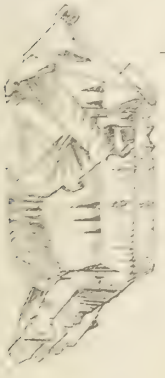

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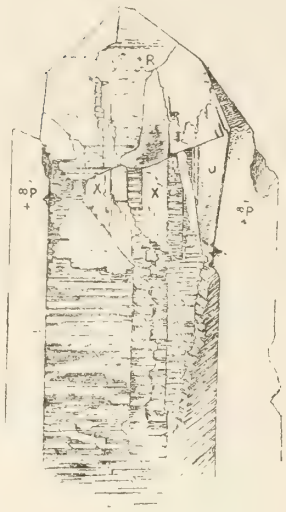

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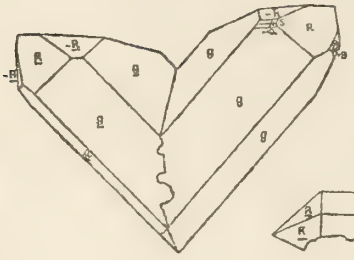

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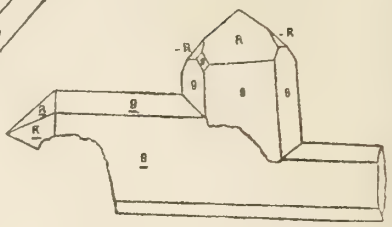

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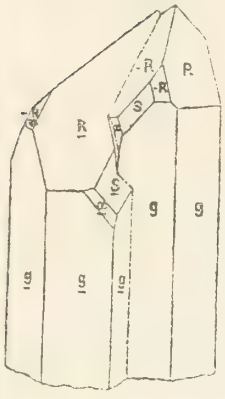

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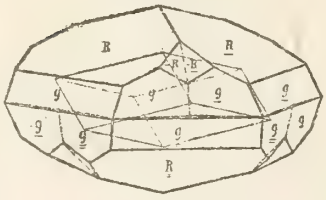

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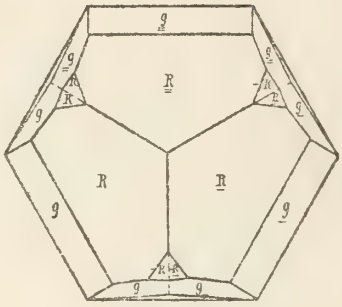

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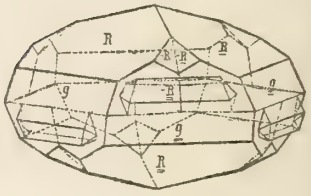

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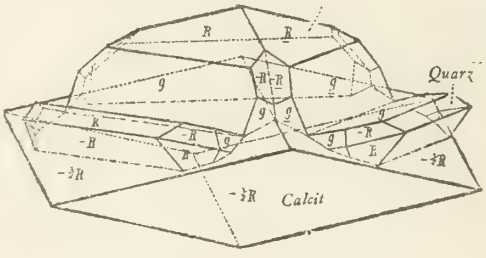
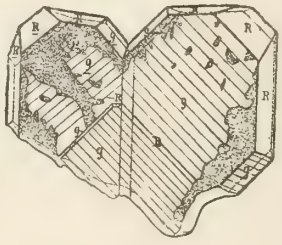


Fig. 399.



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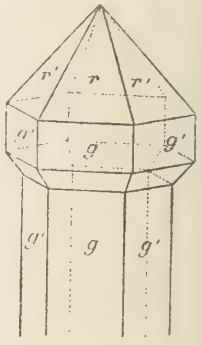

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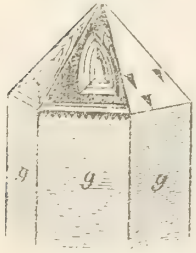

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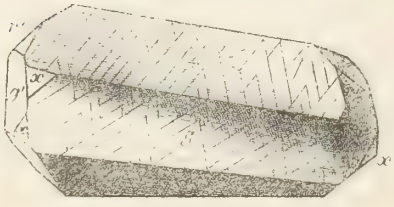

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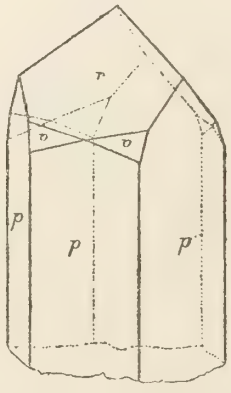

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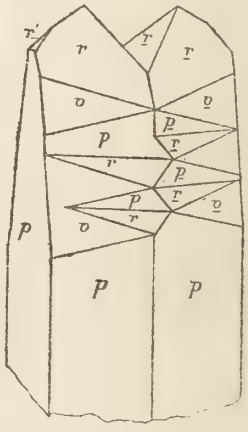
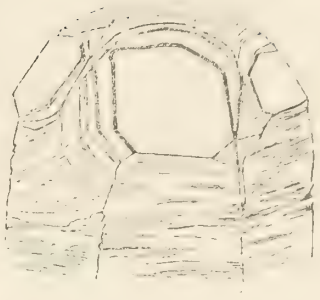


Quarz

Fig. 405.

Fig. 406.

Fig. 407.



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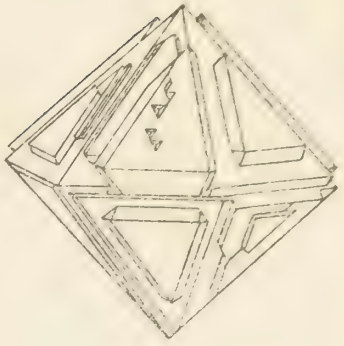

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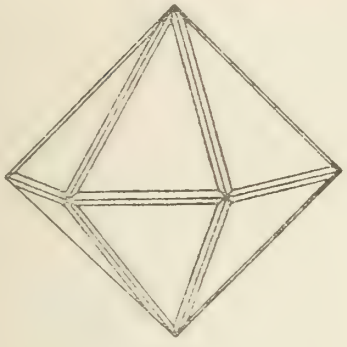

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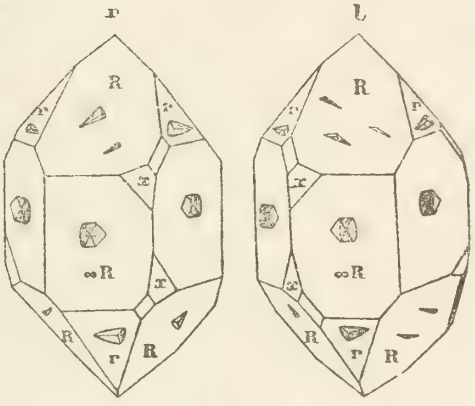
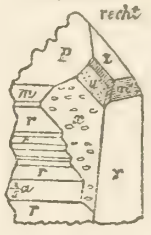


Fig. 411.

Fig. 412.



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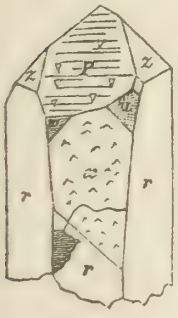

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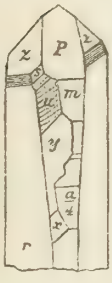

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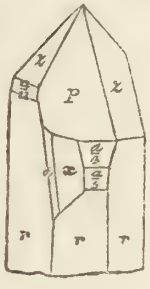

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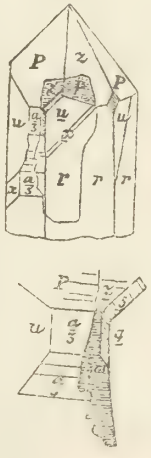

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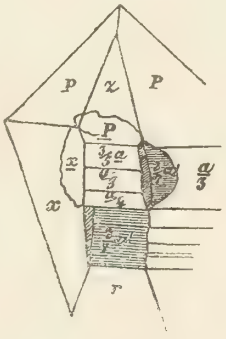

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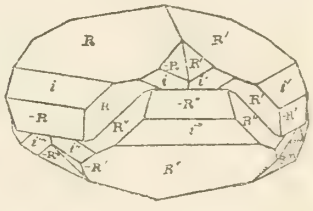

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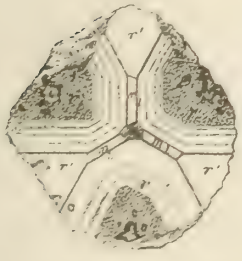

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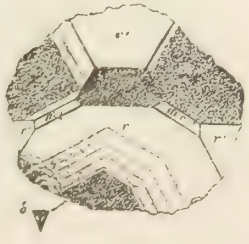

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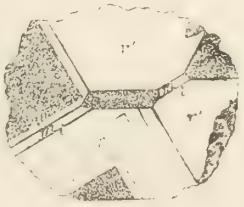

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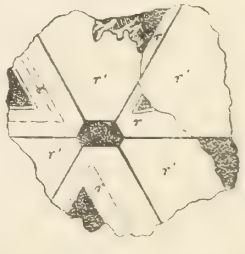

Quarz

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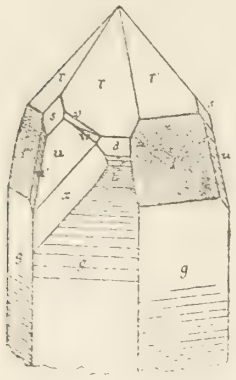

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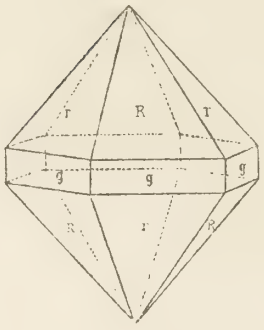

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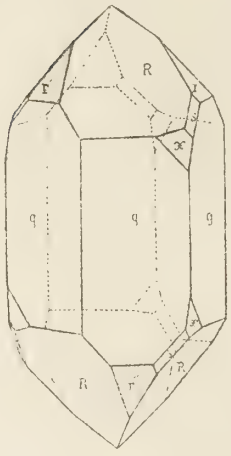

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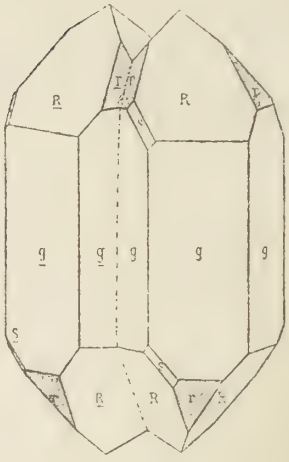

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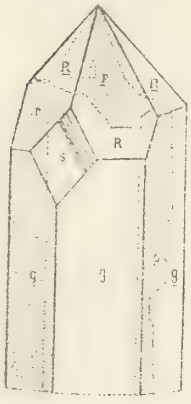

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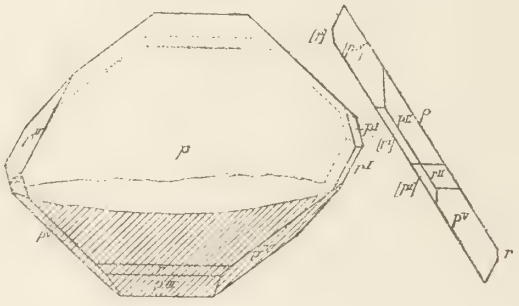

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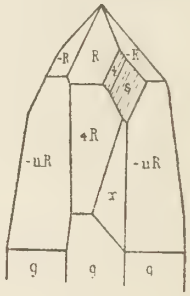

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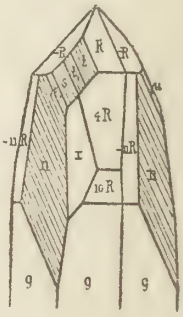

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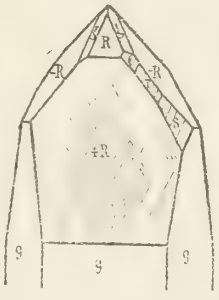

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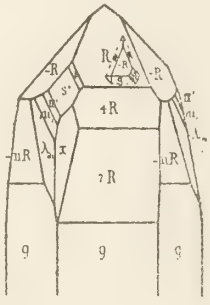

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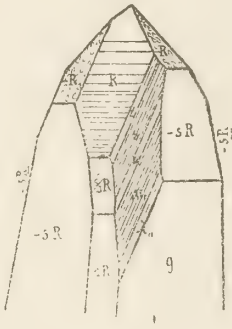

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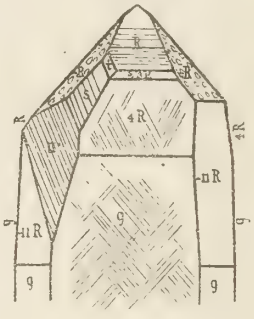
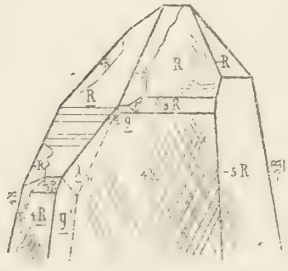


Fig. 435.

Fig. 436.



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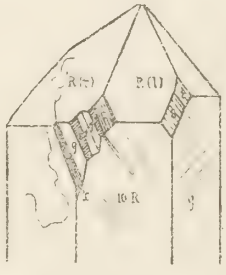

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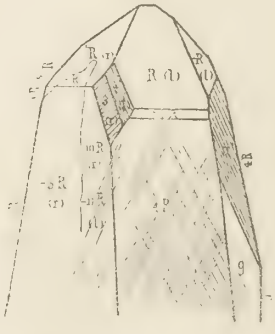

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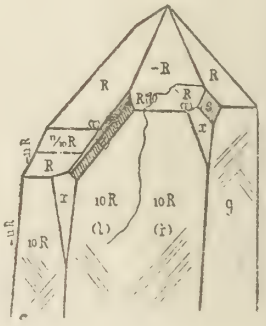

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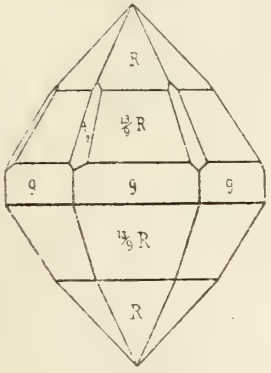

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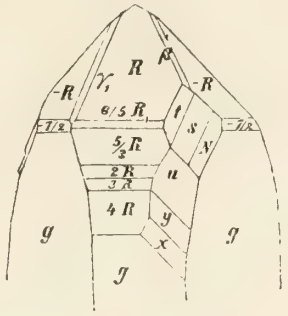

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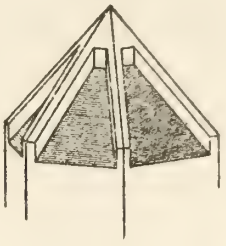

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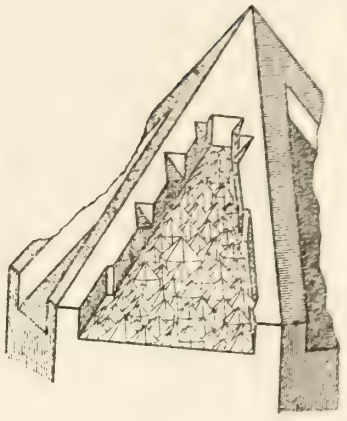

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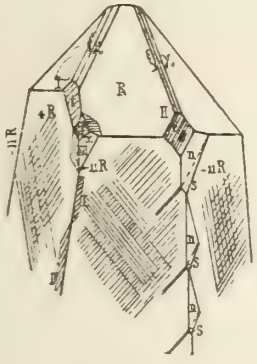

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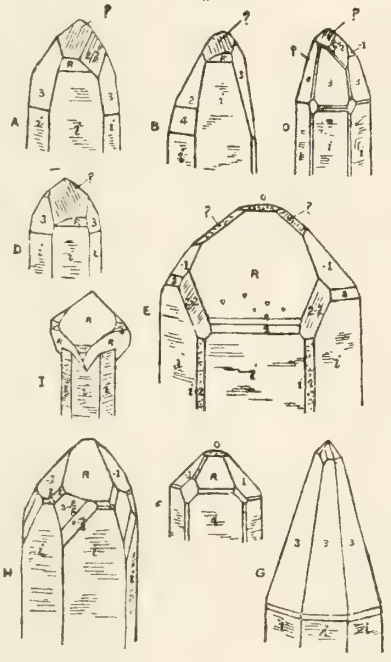

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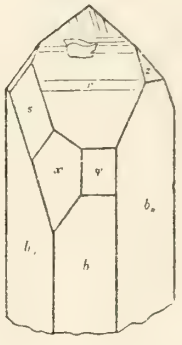

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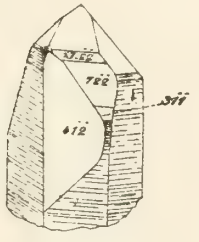

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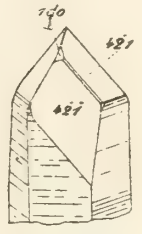

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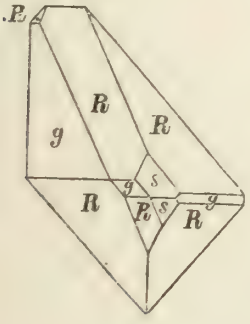

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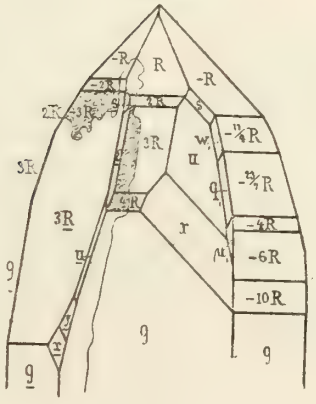

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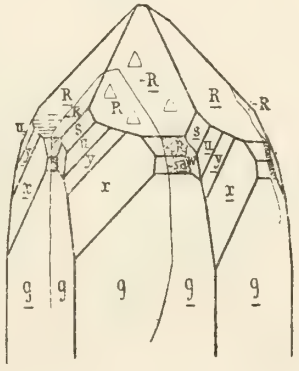

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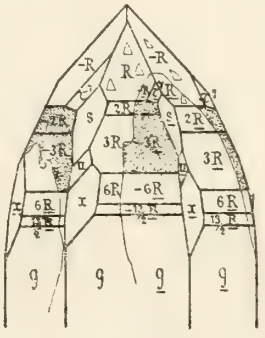

Quarz

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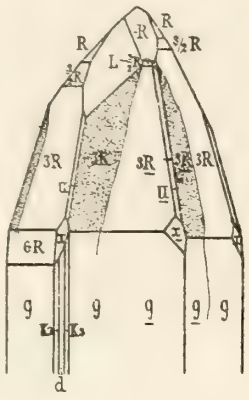

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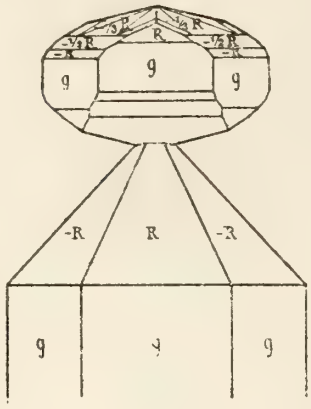

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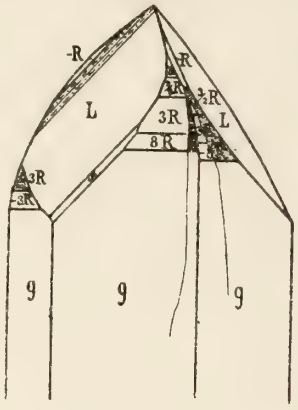

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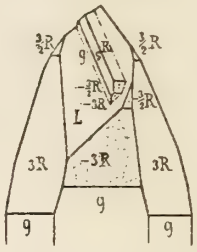
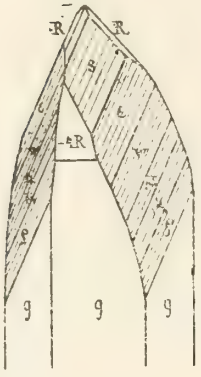


Fig. 457.



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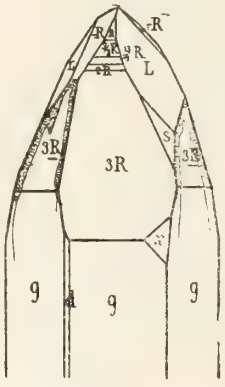

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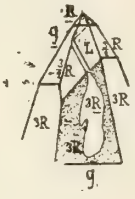

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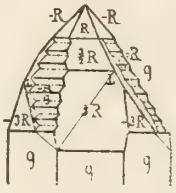

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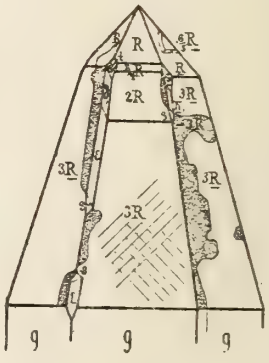

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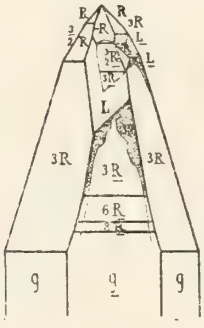

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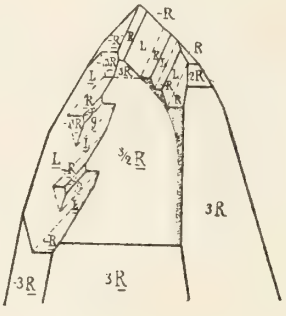

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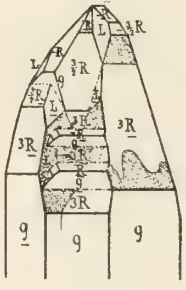

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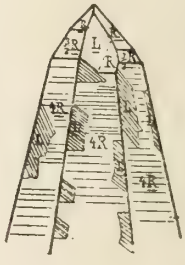

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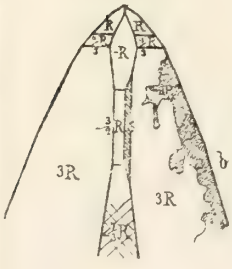

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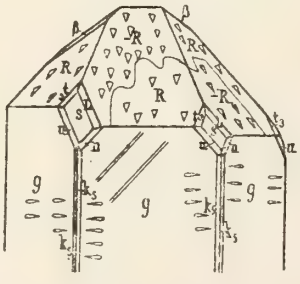

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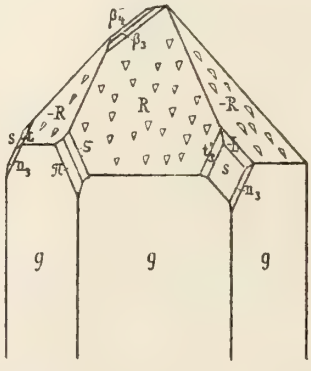

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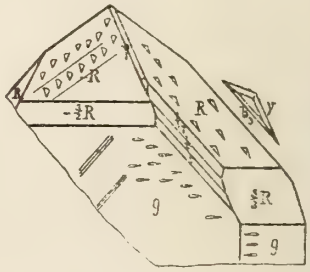

Quarz

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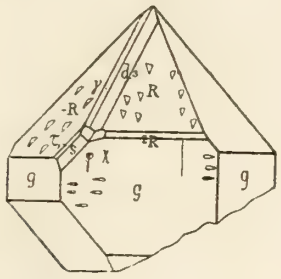

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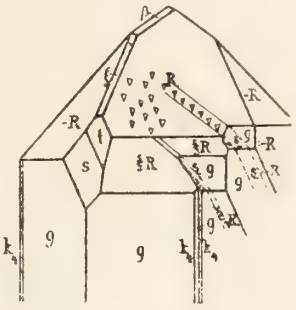

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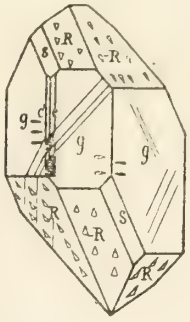

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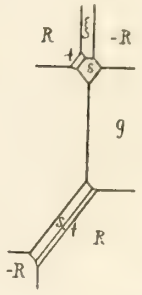

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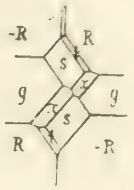

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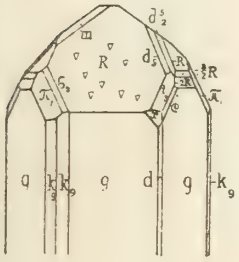

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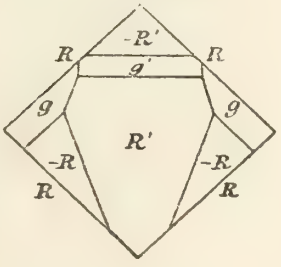

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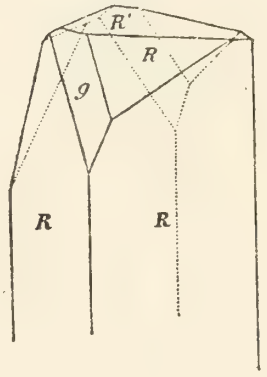

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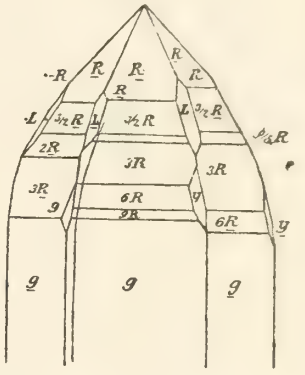

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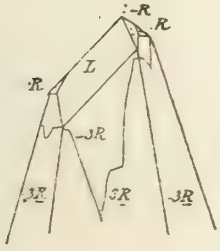

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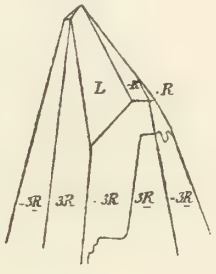

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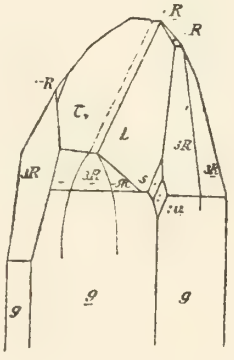

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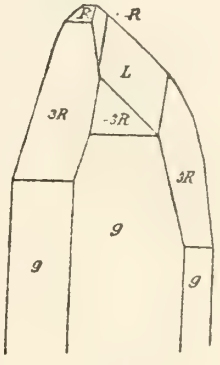

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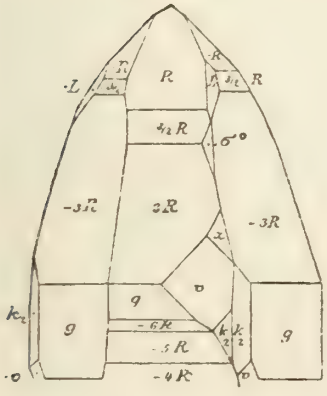

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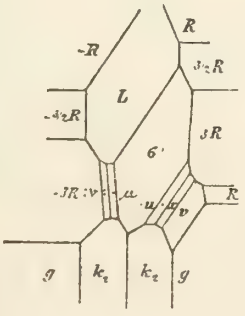

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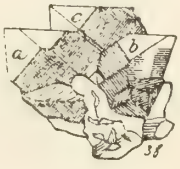

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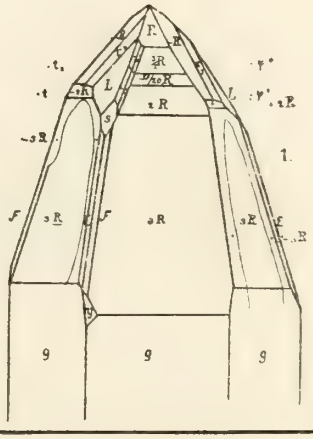

Quarz

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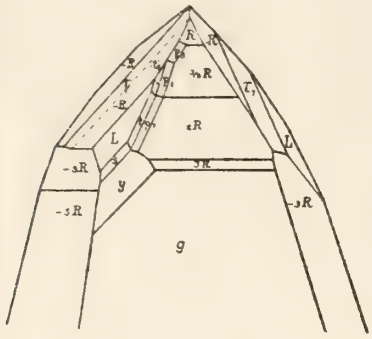

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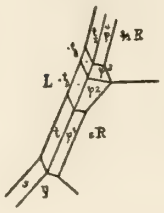

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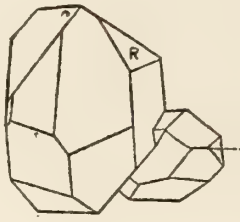
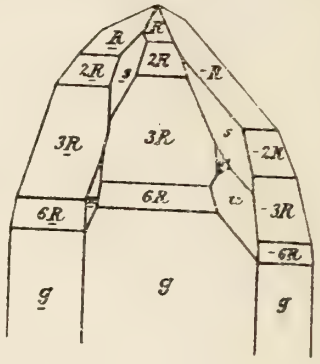


Fig. 490



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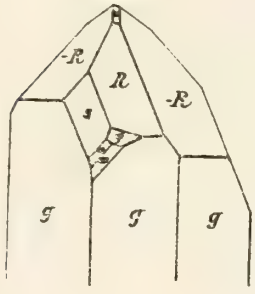

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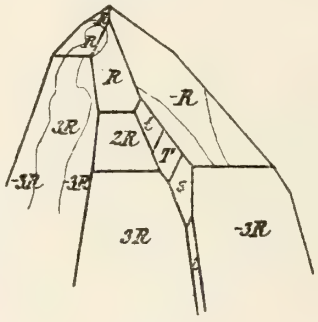

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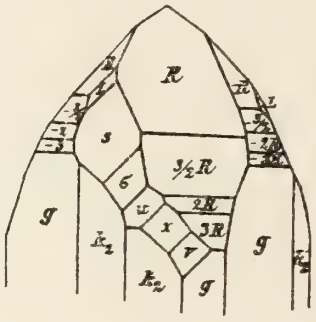

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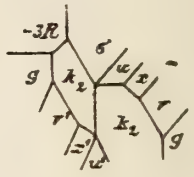

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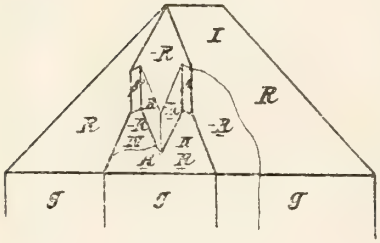


Fig. 496.

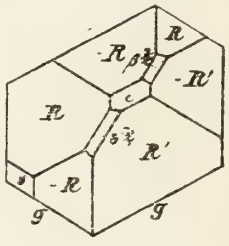
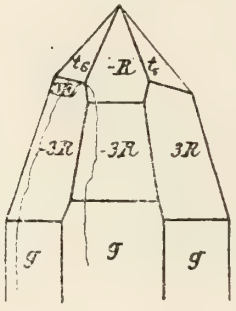


Fig. 497.



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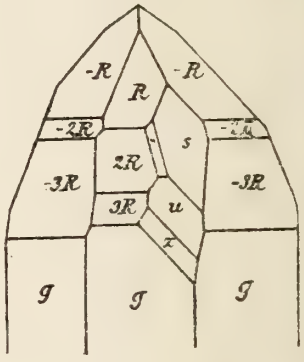

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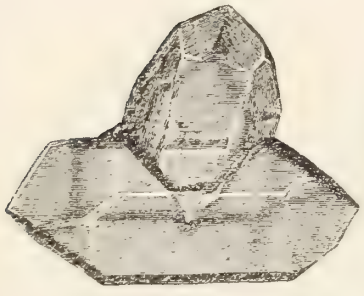

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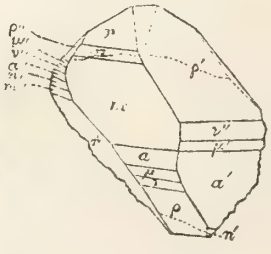

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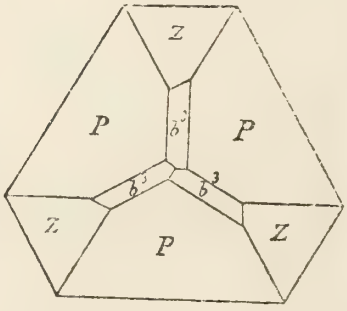

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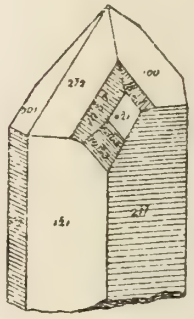
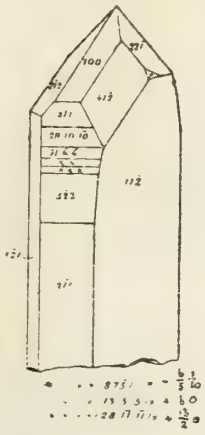


Quarz

Fig. 503.



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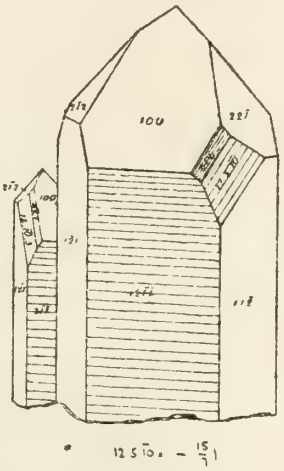

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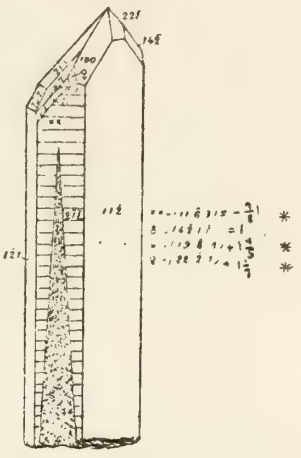

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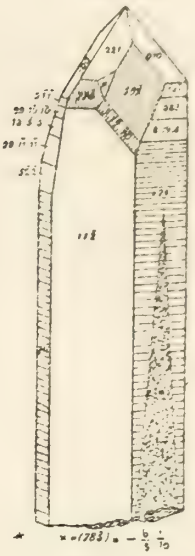

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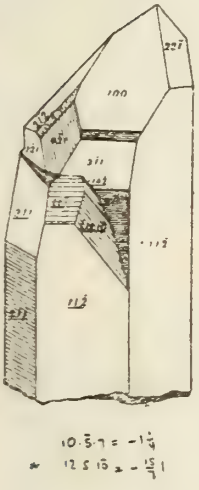

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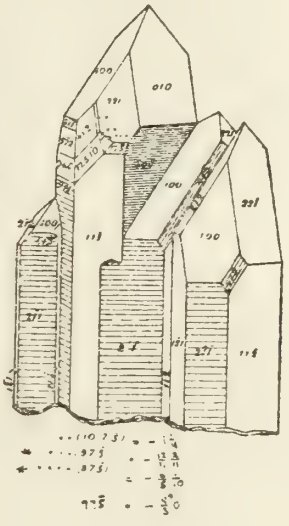

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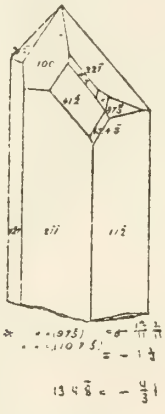

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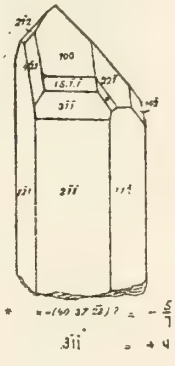
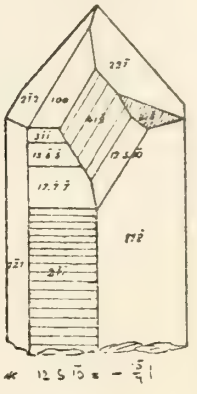


Fig. 511.



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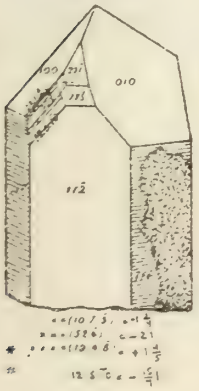

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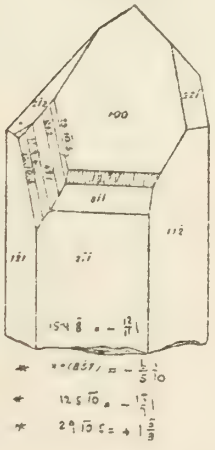

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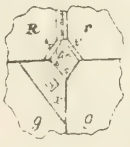
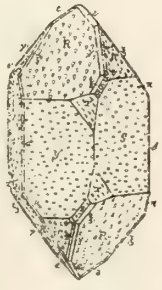


Fig. 515.

Fig. 516.



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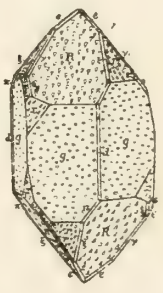

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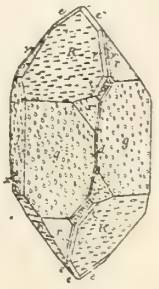

Quarz

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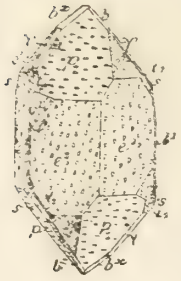

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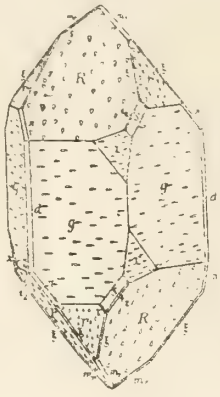

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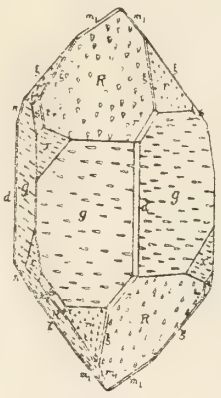

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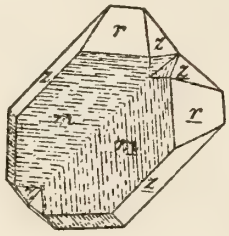
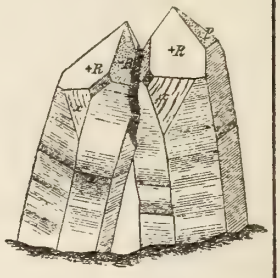


Fig. 523



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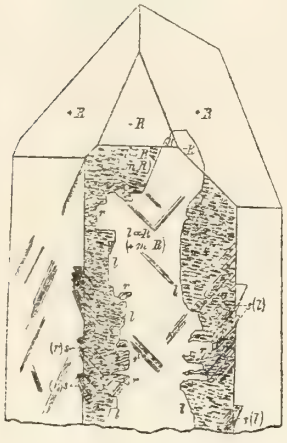

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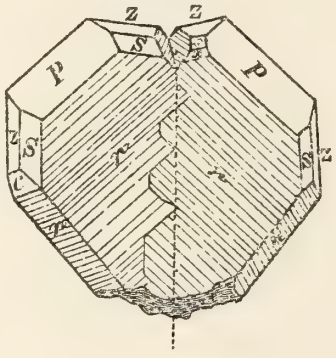

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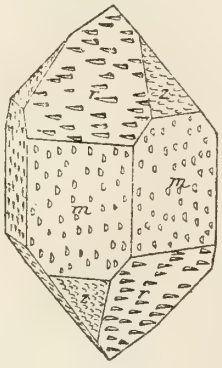

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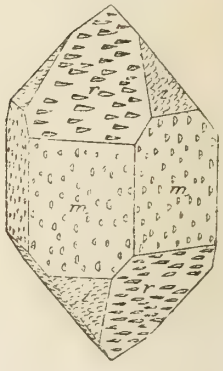

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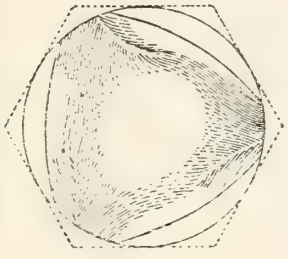

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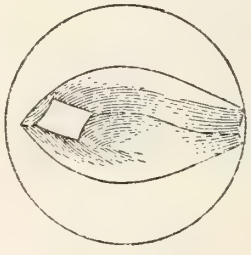

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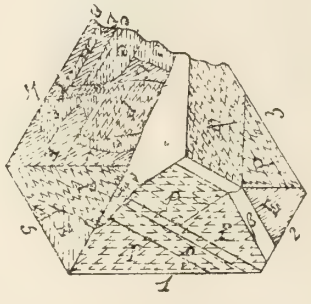

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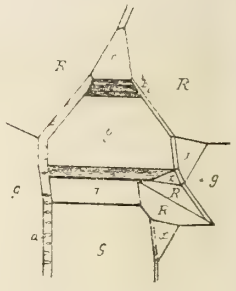

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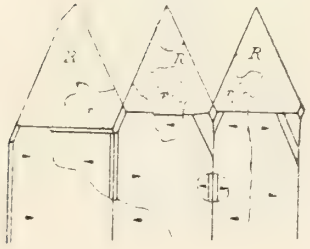

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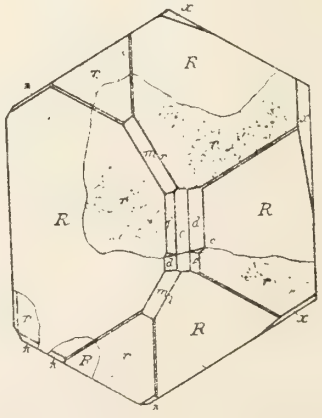

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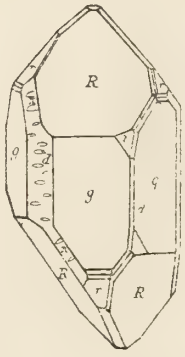

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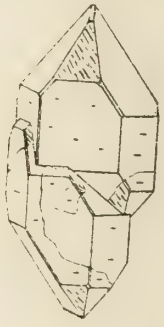

Quarz

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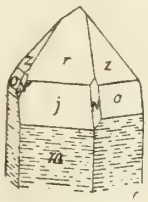

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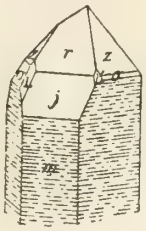

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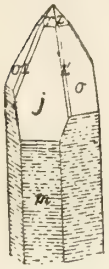

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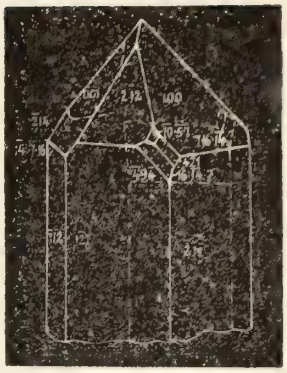

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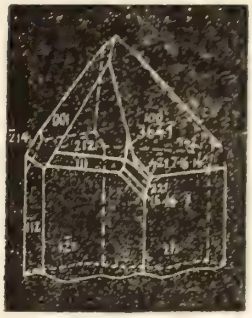

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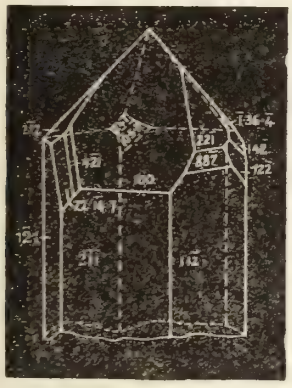

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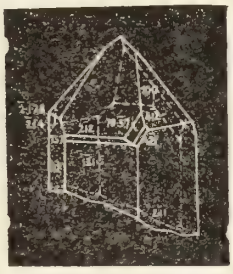

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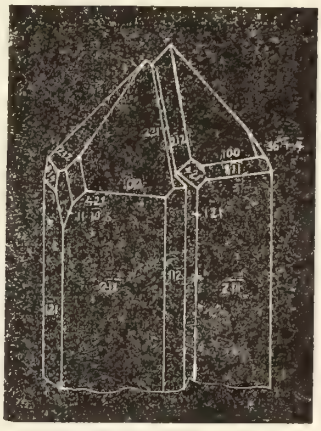

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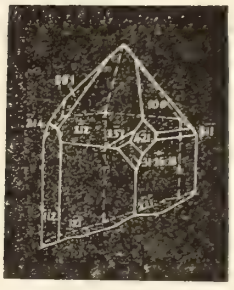

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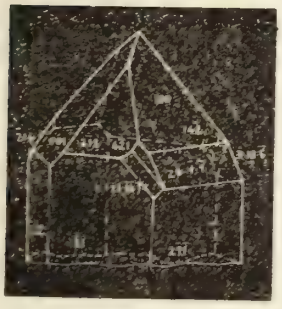

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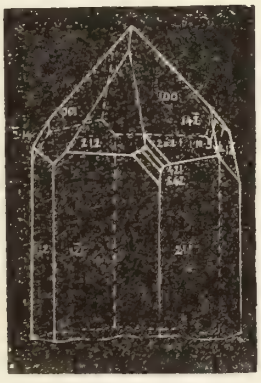
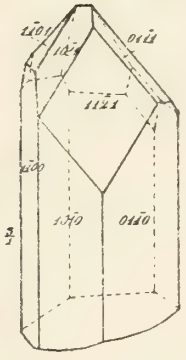


Fig. 547.



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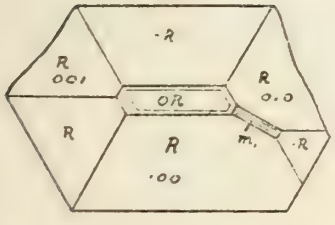
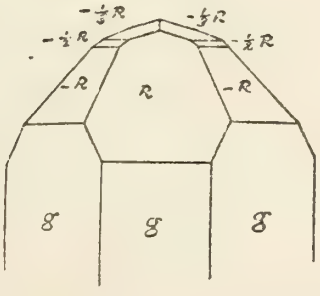


Fig. 549



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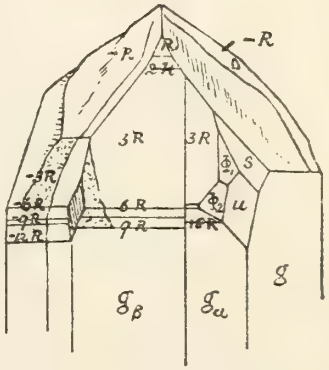


$\Phi_1 = 40.3.\bar{17}$

$\Phi_2 = 23.3.\bar{10}$

Quarz

Fig. 551.

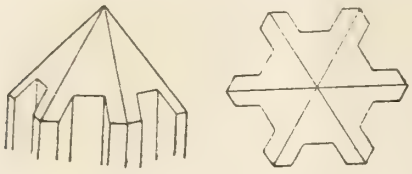


Fig. 552.

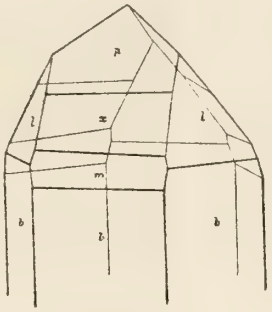


Fig. 553.

Fig. 554.

Fig. 555.

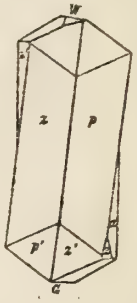
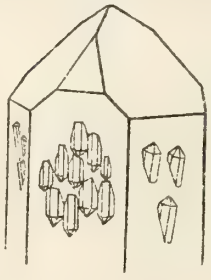


Fig. 556.

Fig. 557.



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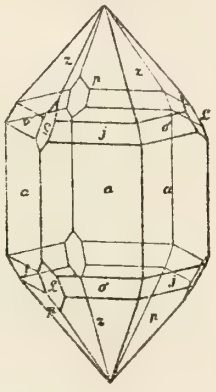


Fig. 559.

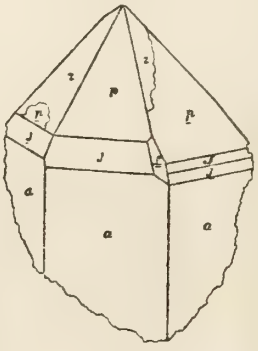


Fig. 560.

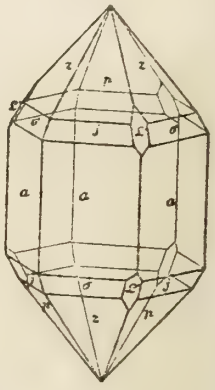


Fig. 561.

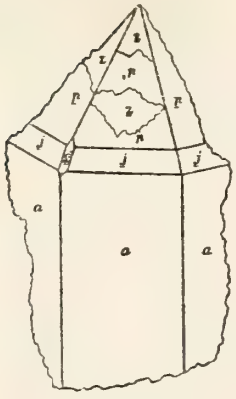


Fig. 562.

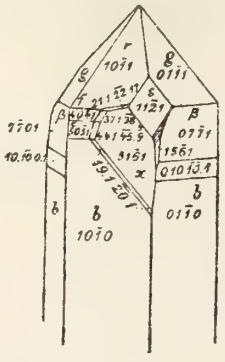


Fig. 563.

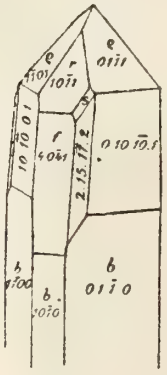
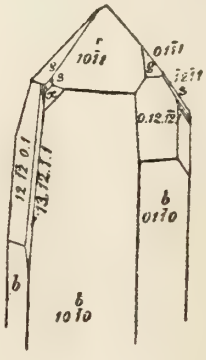


Fig. 564.



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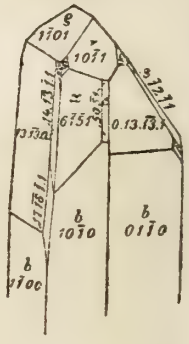


Fig. 566.

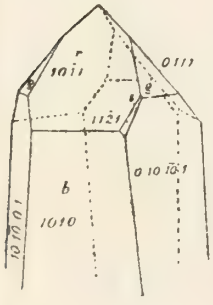


Fig. 567.

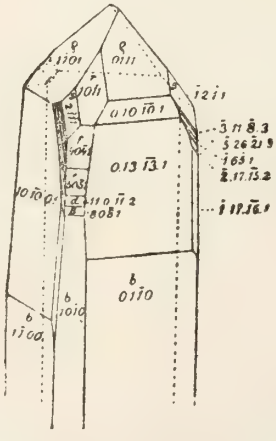


Fig. 568.

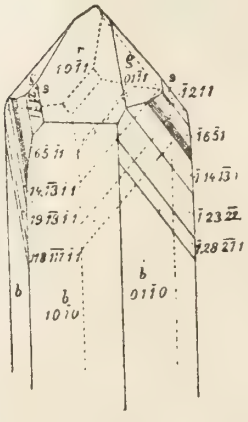
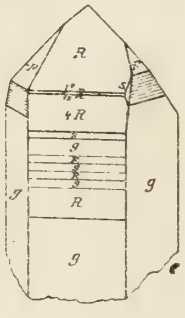


Fig. 569.



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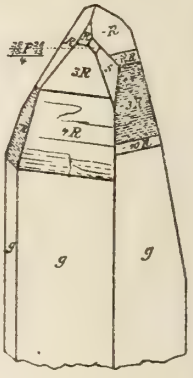

Quarz

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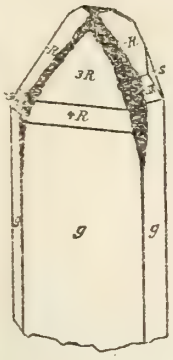

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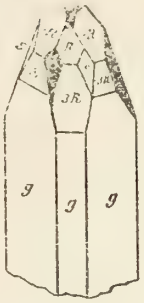

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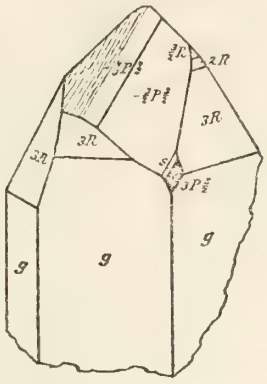

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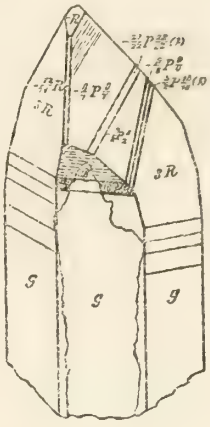

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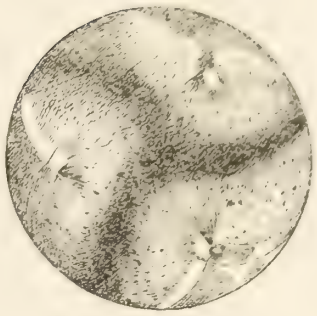

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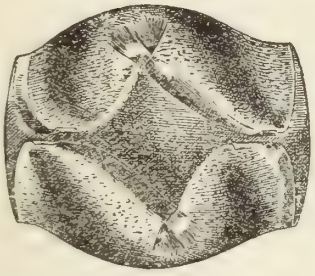

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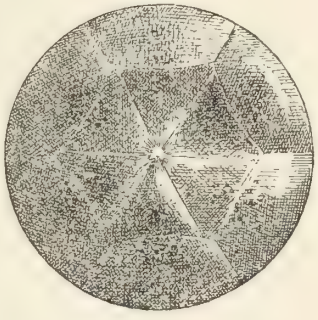

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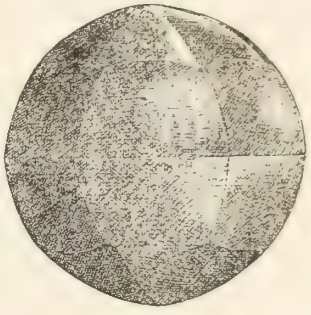

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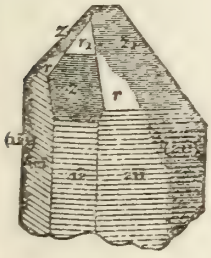

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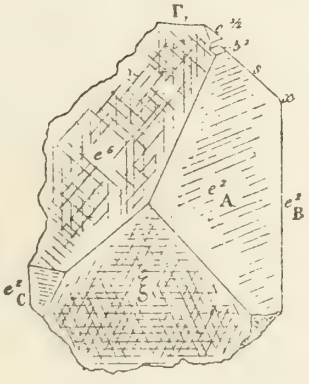

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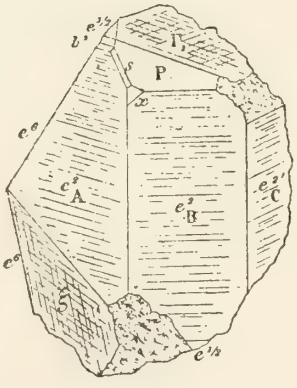

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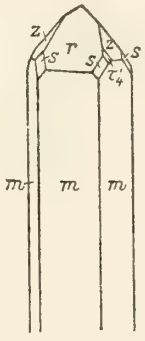

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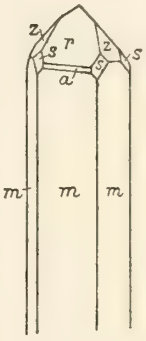

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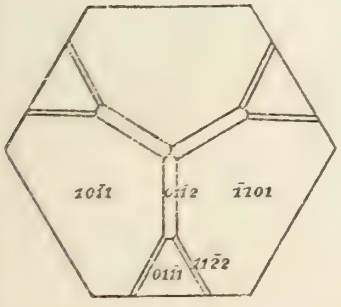

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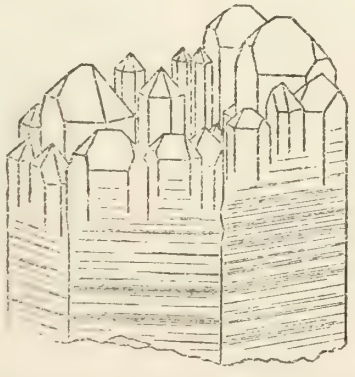

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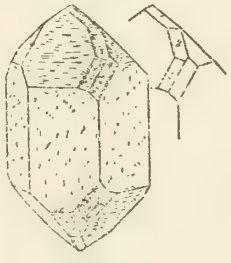

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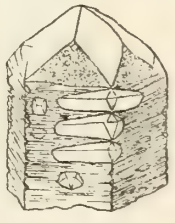
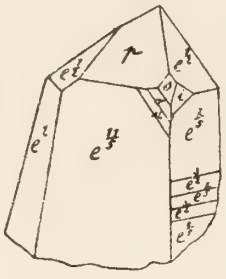


Quarz

Fig. 588.

Fig. 589.

Fig. 590.



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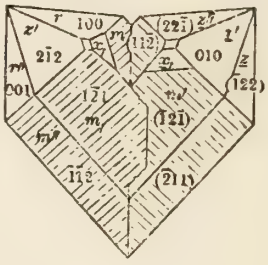

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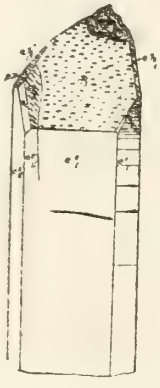

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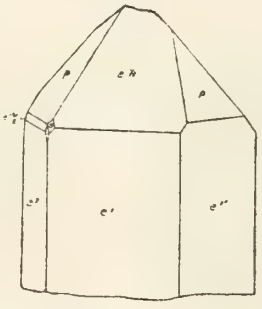

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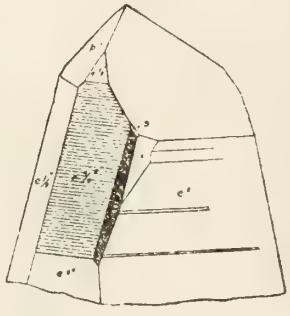

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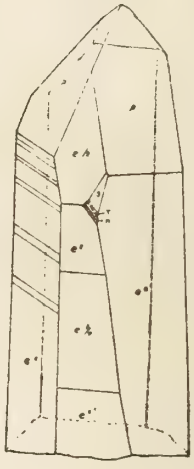

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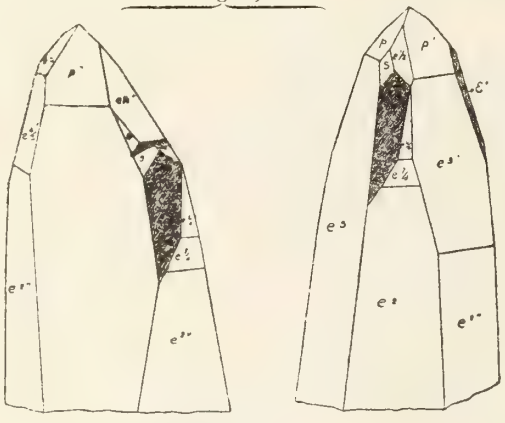

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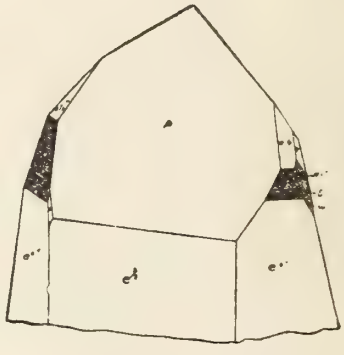

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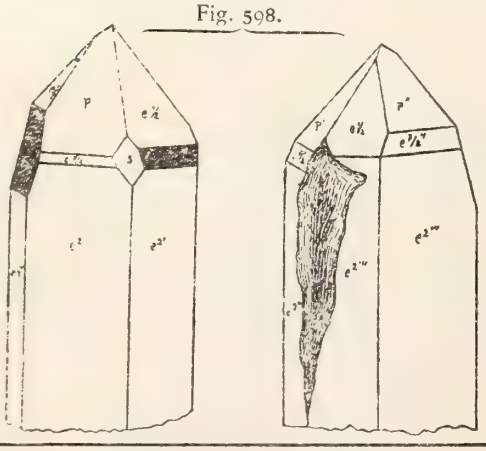

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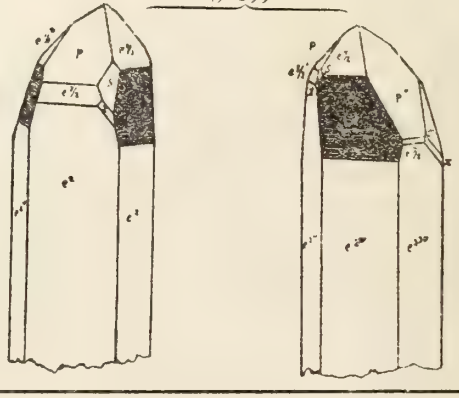


Quarz

Fig. 600.

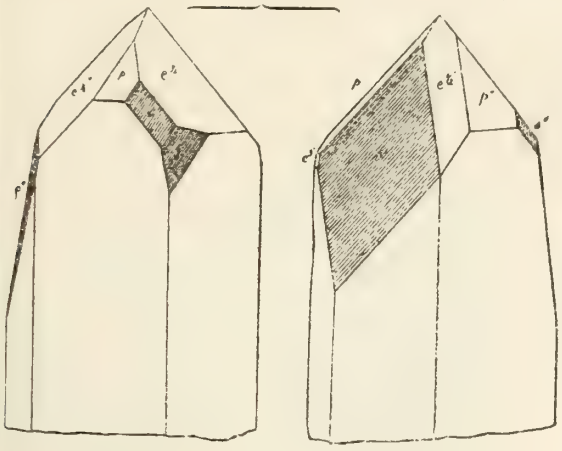


Fig. 601.

Fig. 602.

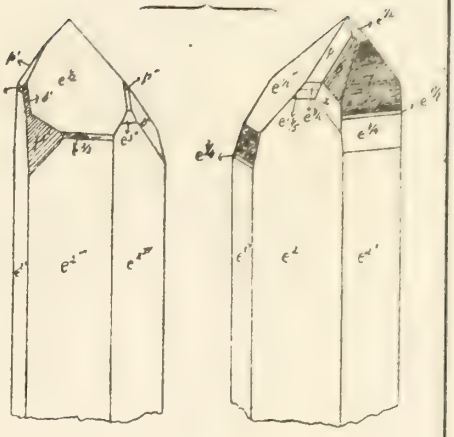
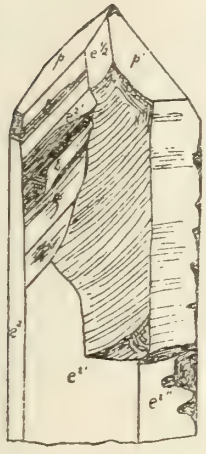


Fig. 603.



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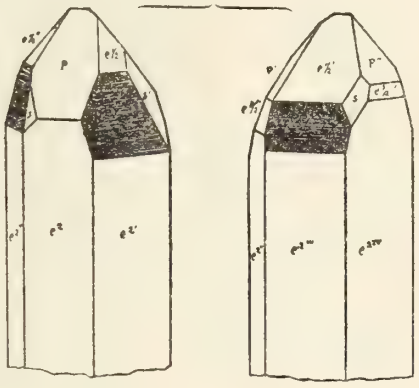
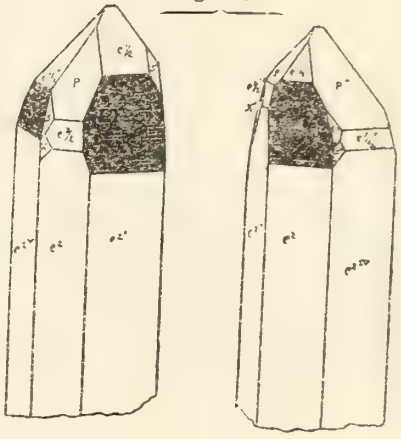


Fig. 605



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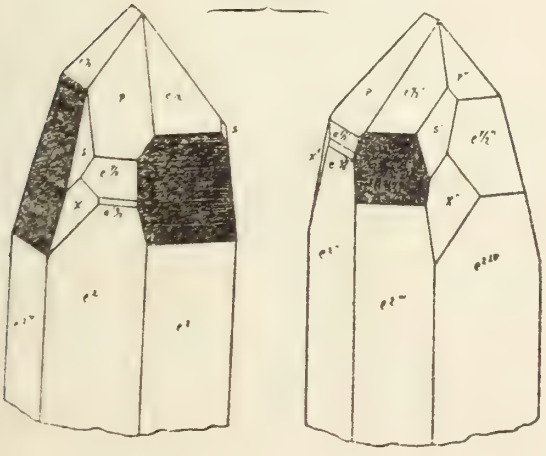

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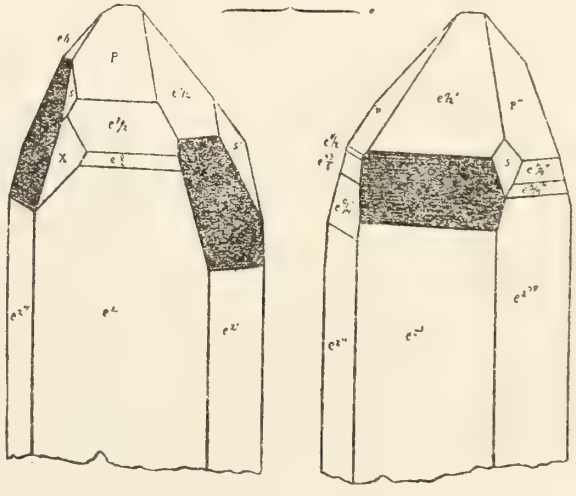
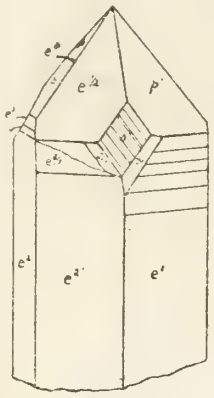


Quarz

Fig. 608.



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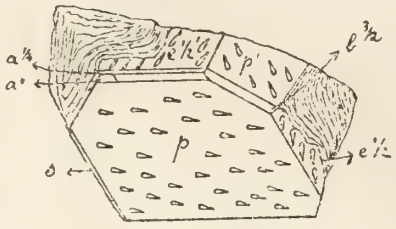

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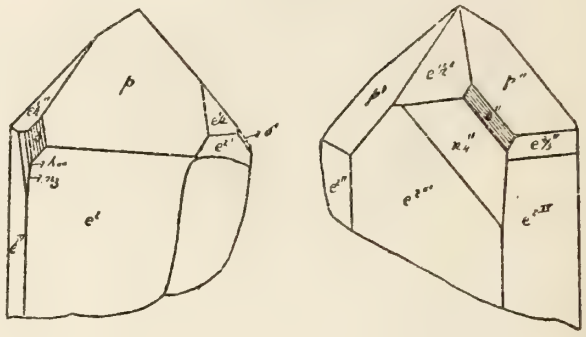

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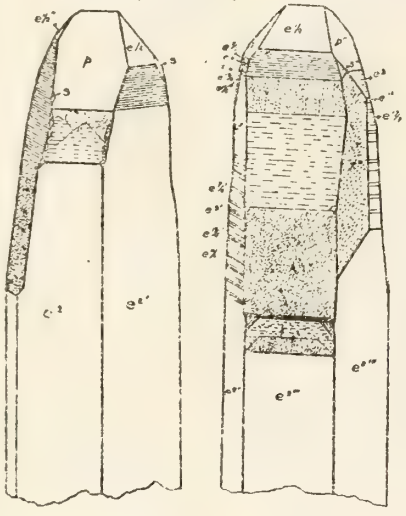

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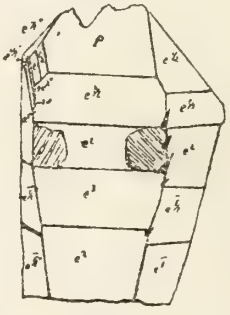

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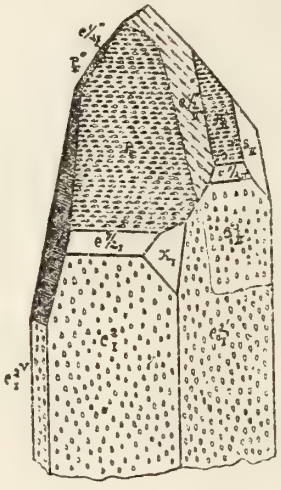

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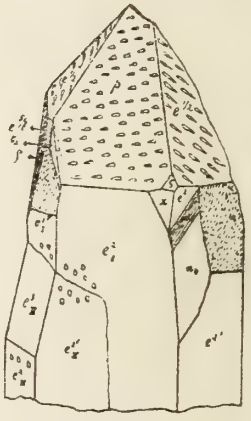
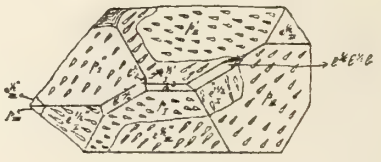


Fig. 615



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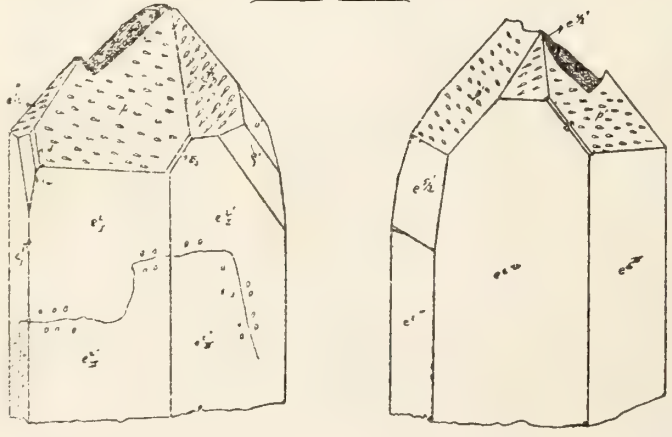

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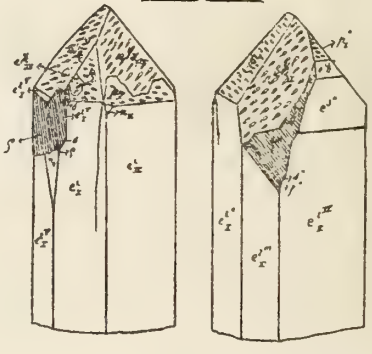
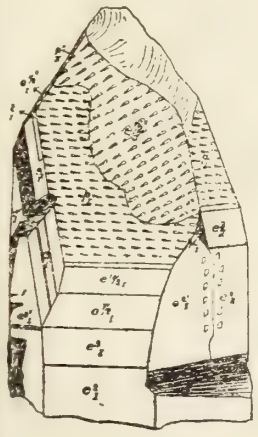


Quarz

Fig. 618.



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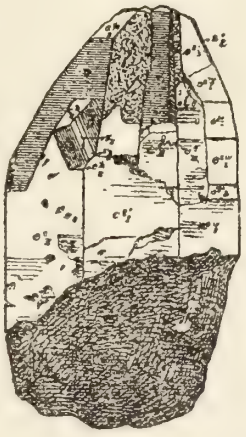

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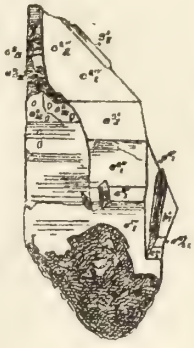

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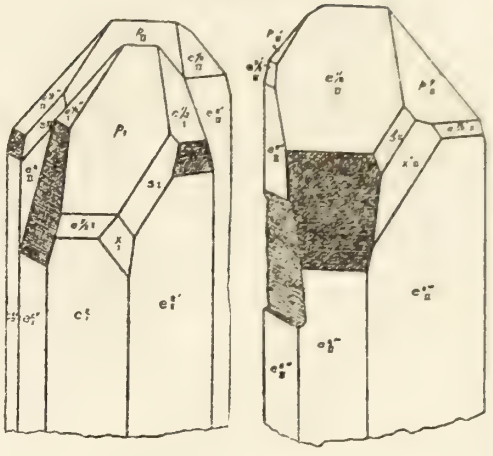

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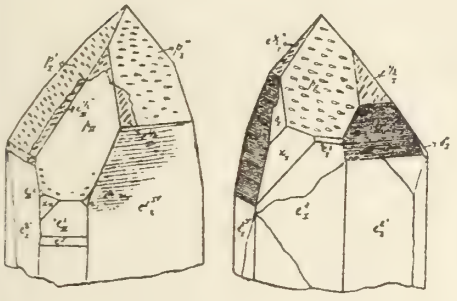

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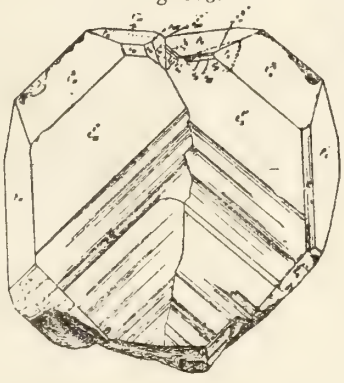

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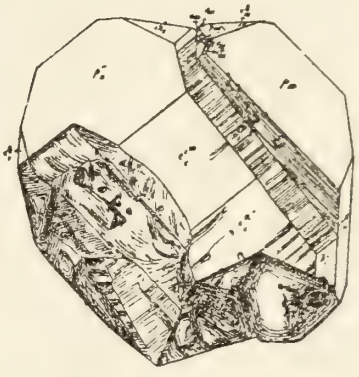


Fig. 625.

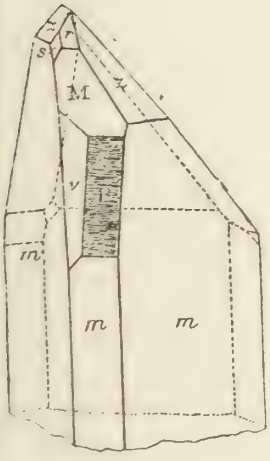
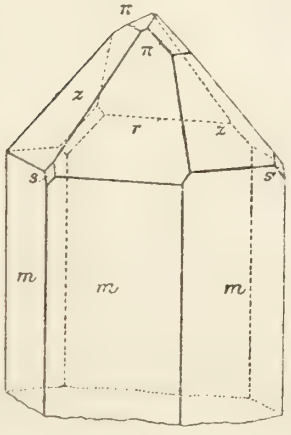


Fig. 626.



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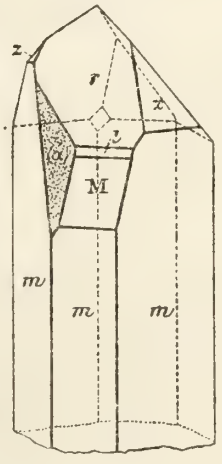

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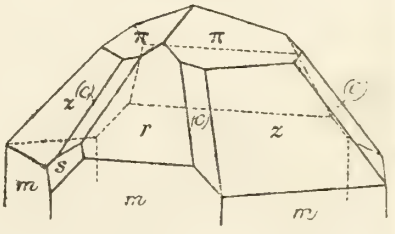


Quarz

Fig. 629.

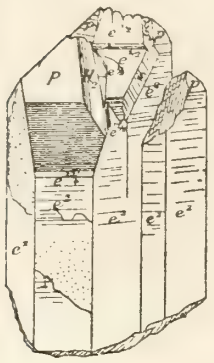


Fig. 630.

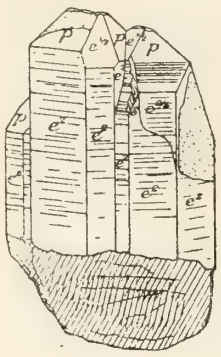
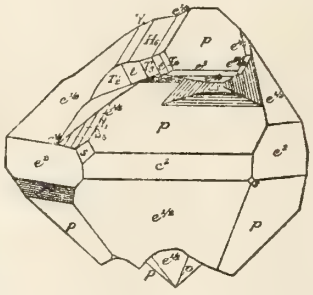


Fig. 631.



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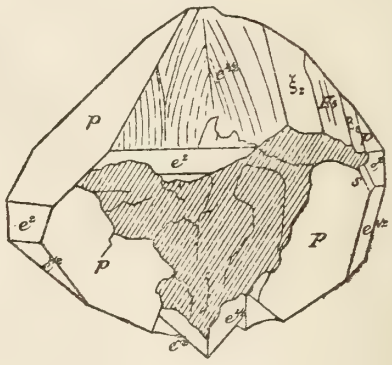

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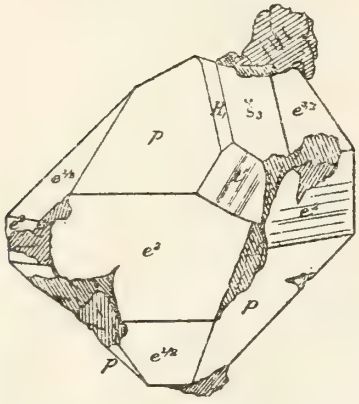

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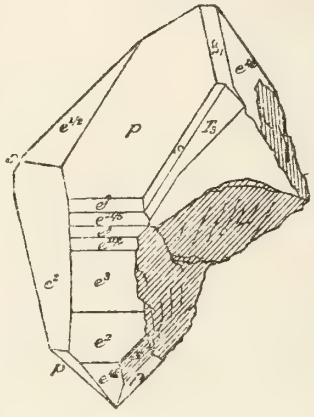

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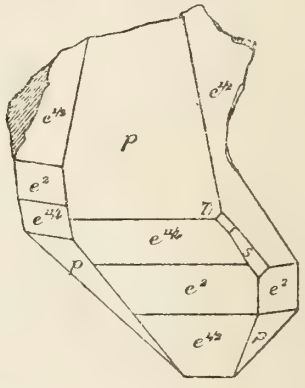
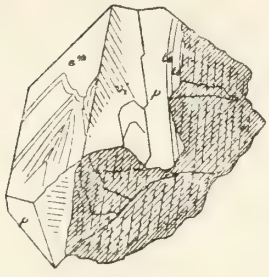


Fig 636.



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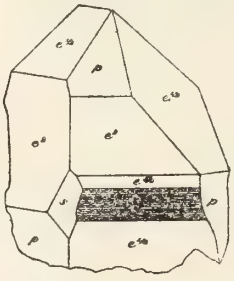

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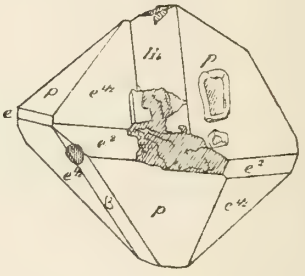

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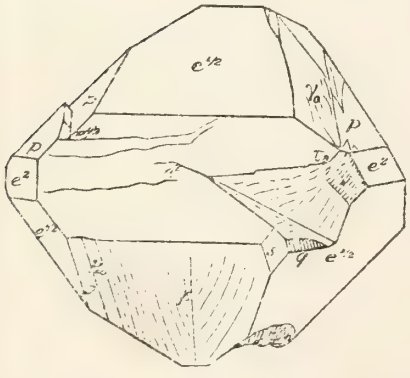

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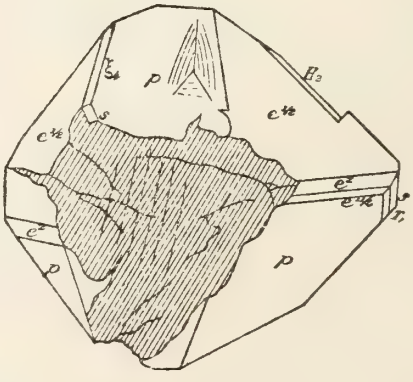
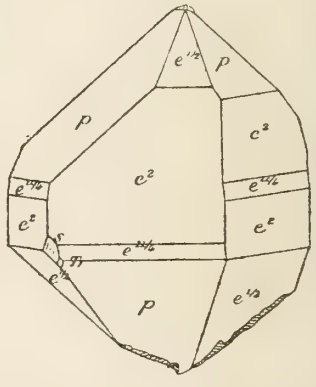
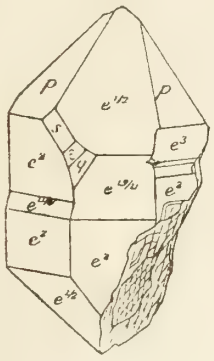


Fig. 641.



Quarz

Fig. 642.



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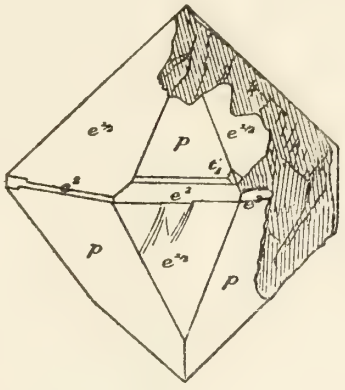

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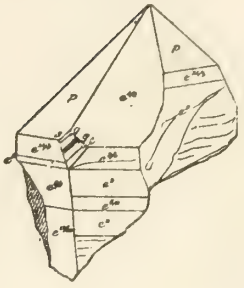

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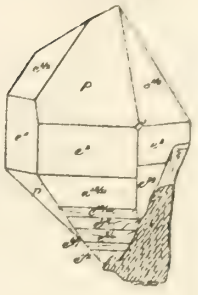

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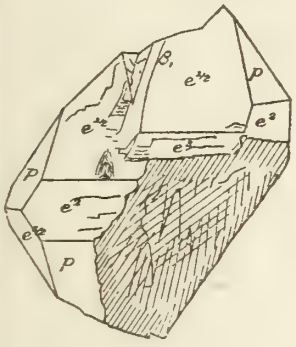
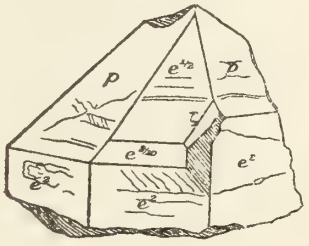


Fig. 647.



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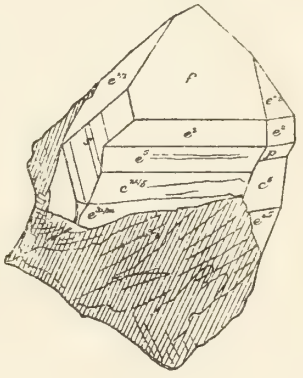


Fig. 649.

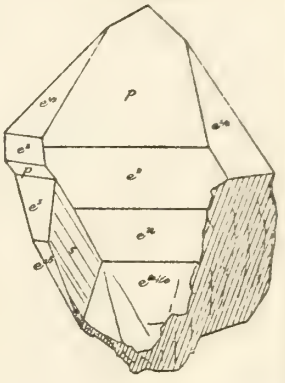
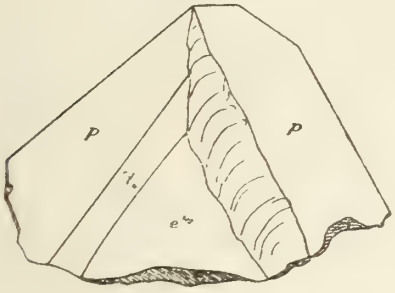


Fig. 650.



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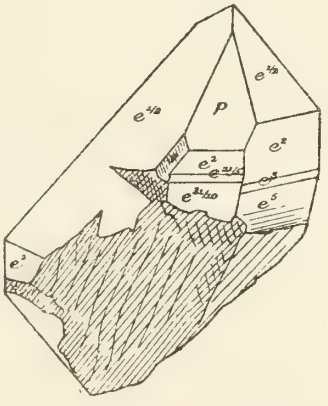

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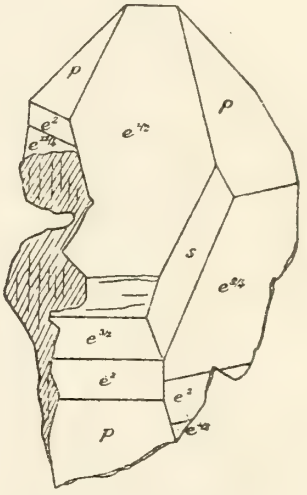

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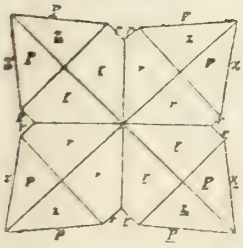

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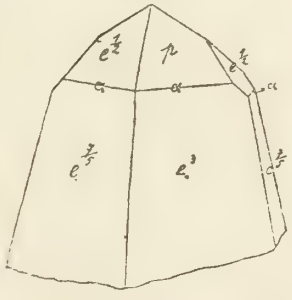
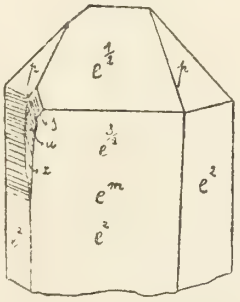


Fig. 655.



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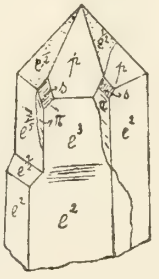
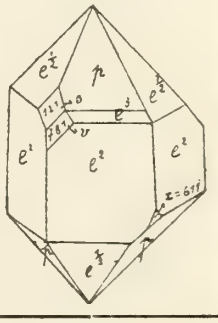


Fig. 657.



Quarz

Fig. 658.

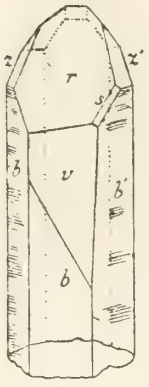


Fig. 659.

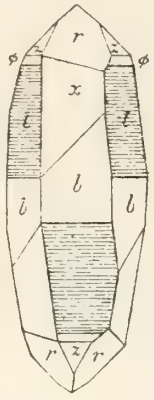


Fig. 660.

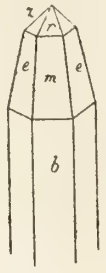


Fig. 661.

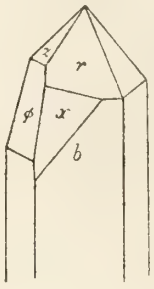


Fig. 662.

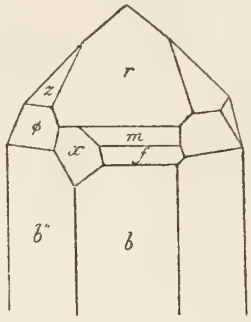


Fig. 663.

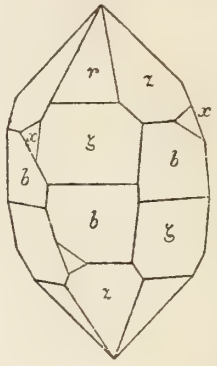


Fig. 664.

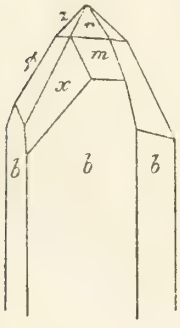


Fig. 665.

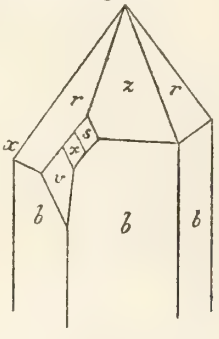


Fig. 666.

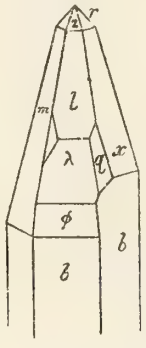


Fig. 667.

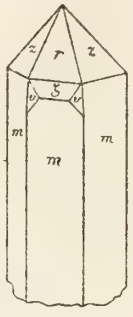


Fig. 668.

Fig. 669.

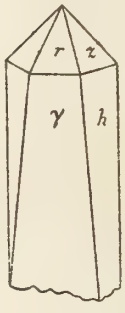
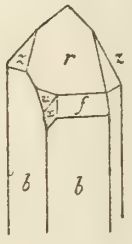


Fig. 670.



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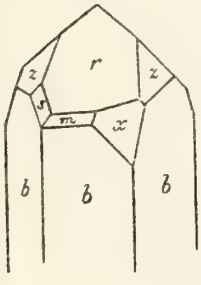
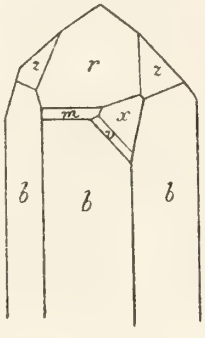


Fig. 672.



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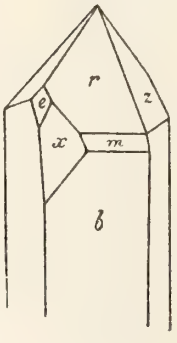

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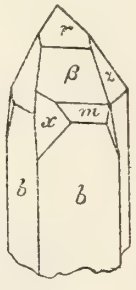

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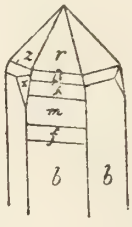

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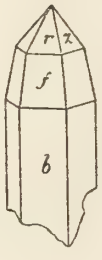

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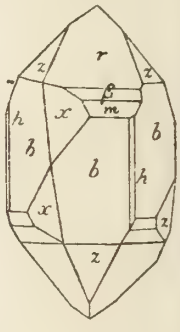

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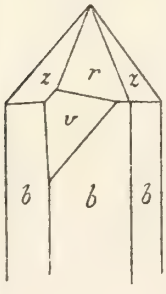

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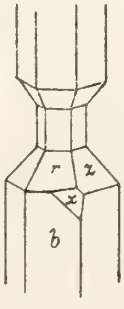


Fig. 680.

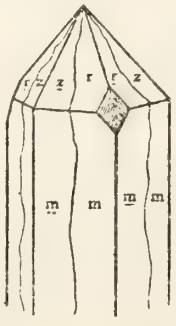
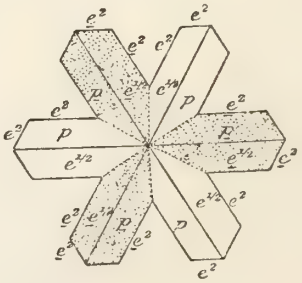


Fig. 681.



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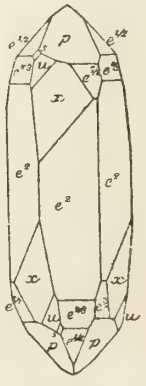
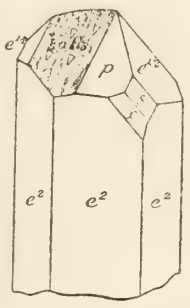


Fig 683.

Quarz

Fig. 684.



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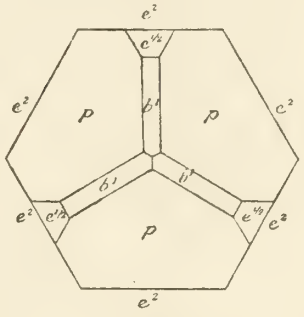

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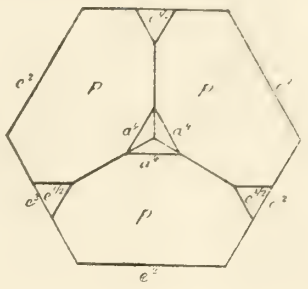

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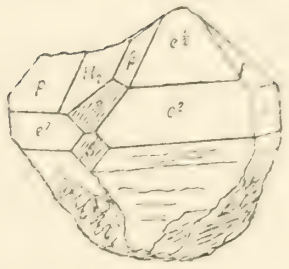

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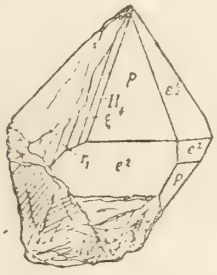

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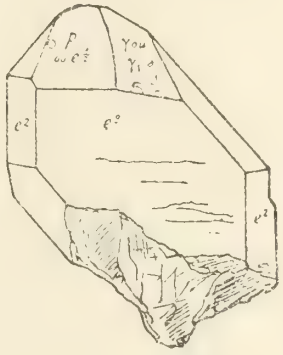
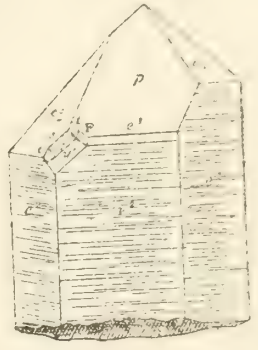


Fig. 690.

Fig. 691.



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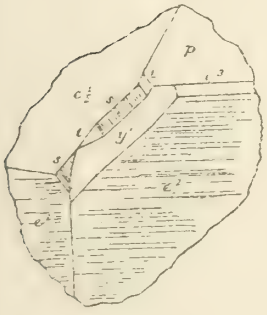

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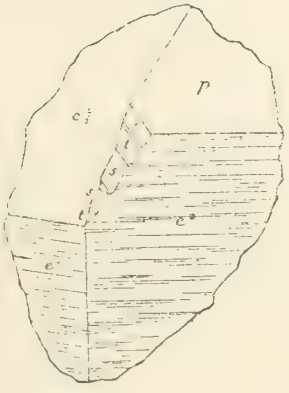

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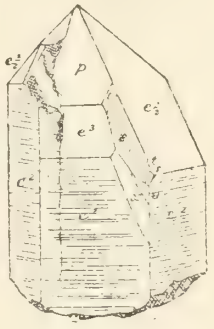

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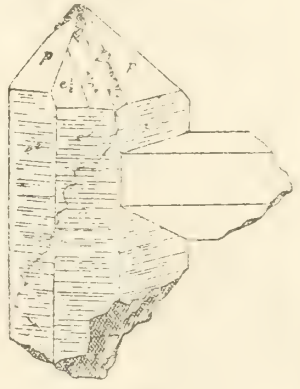
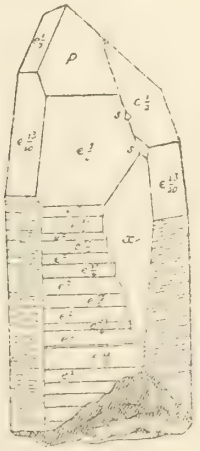


Fig. 696.

Fig. 697.



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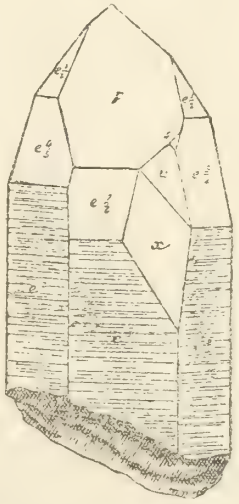
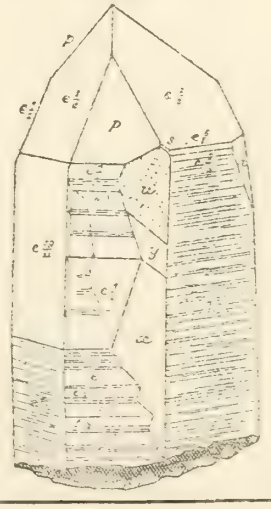


Fig. 699.



Quarz

Fig. 700.

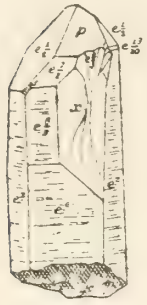
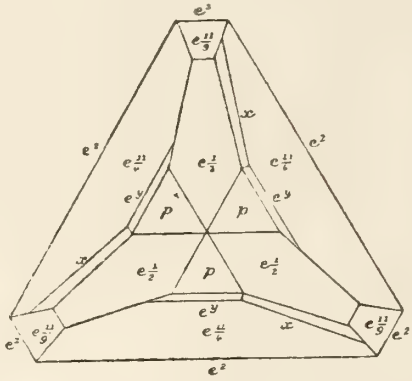


Fig. 701.

Fig. 702.



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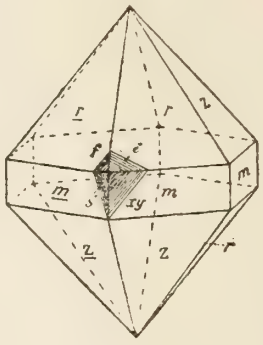

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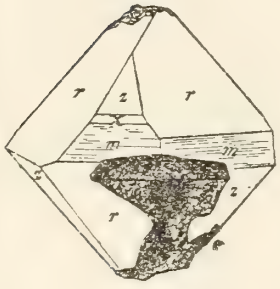

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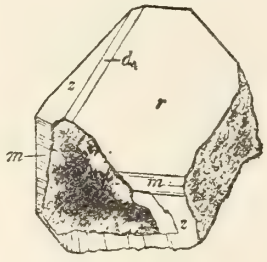

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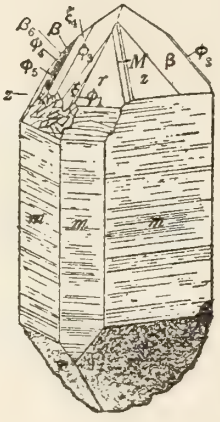

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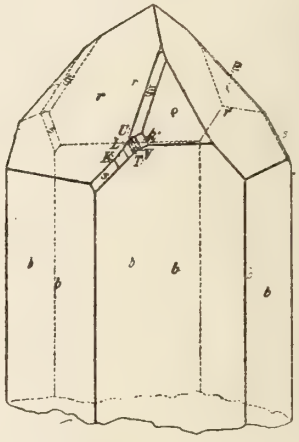

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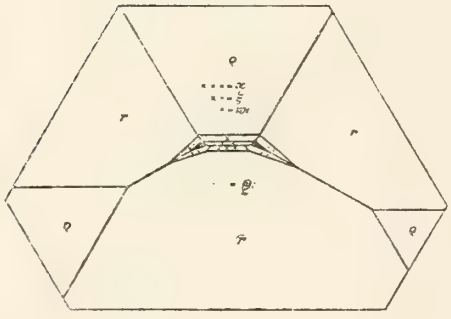

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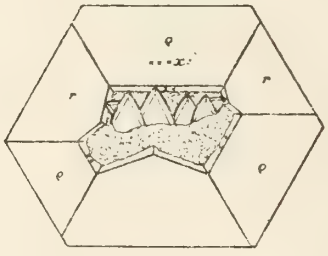

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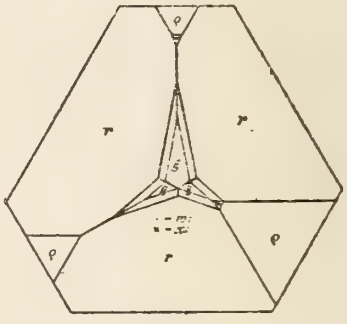

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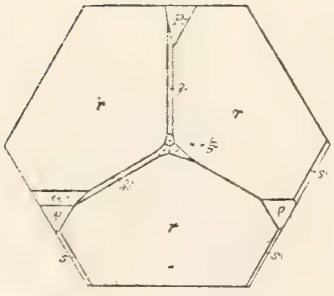

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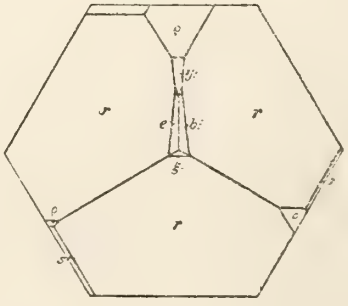

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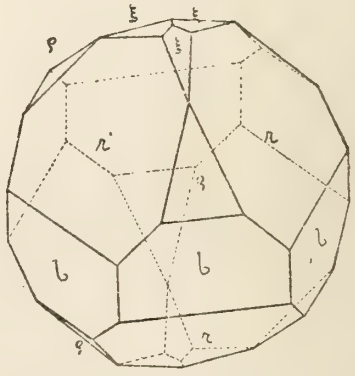

Quarz

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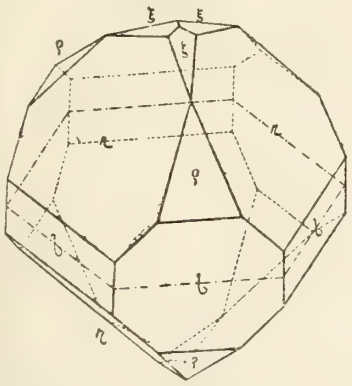

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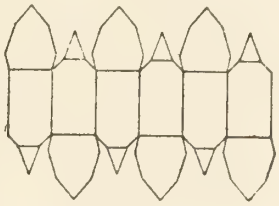

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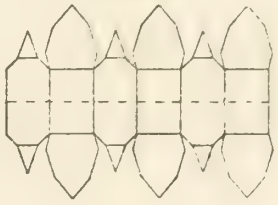

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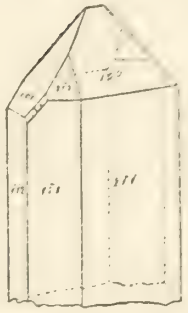

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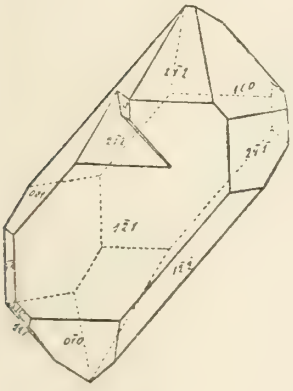

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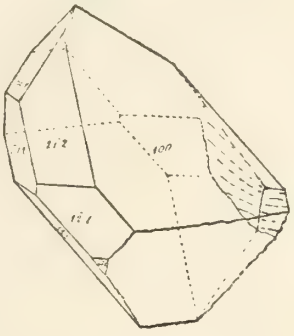

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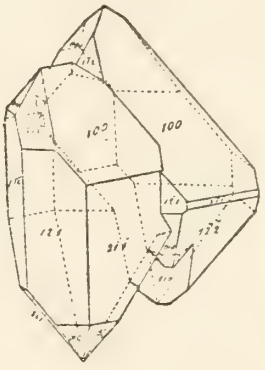

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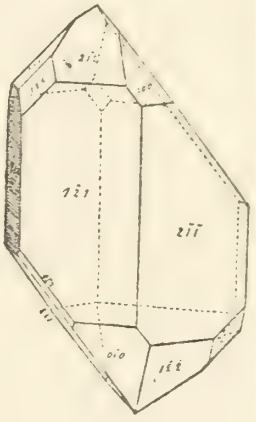
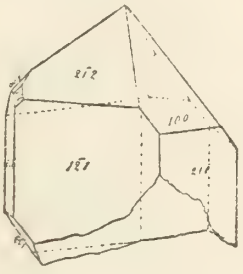


Fig. 722.

Fig. 723.



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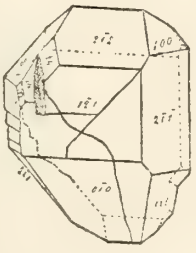

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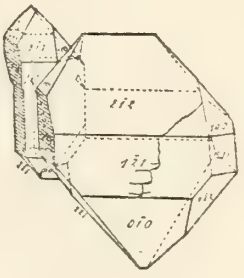

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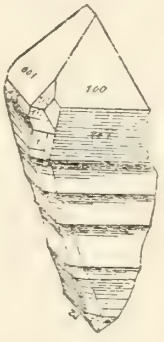

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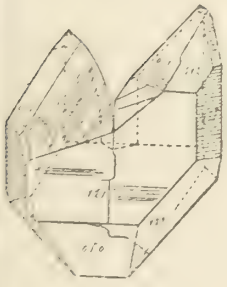

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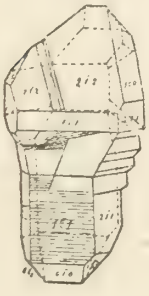

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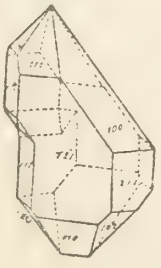

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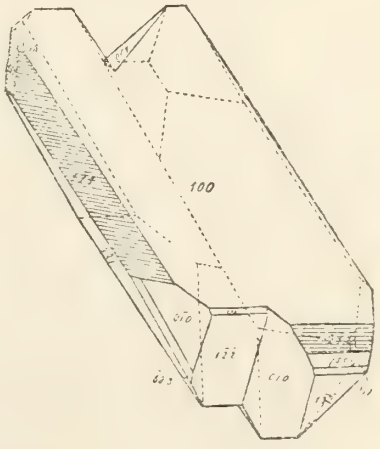

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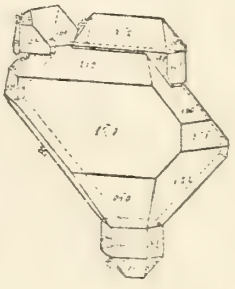
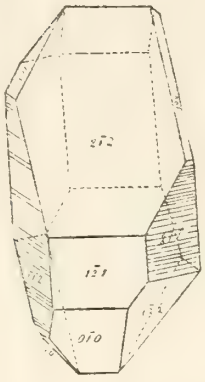


Quarz

Fig. 732.



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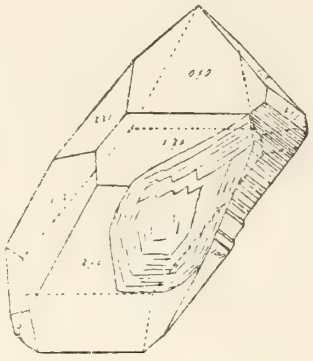

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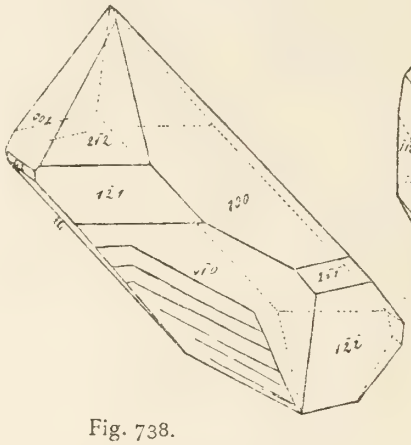

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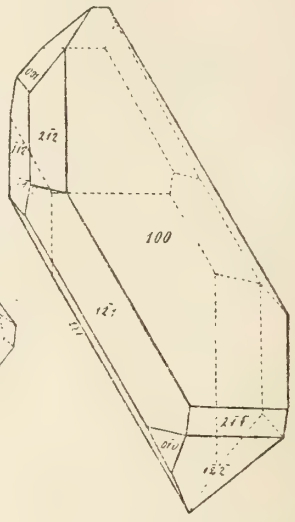

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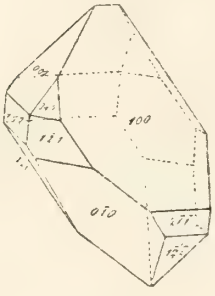

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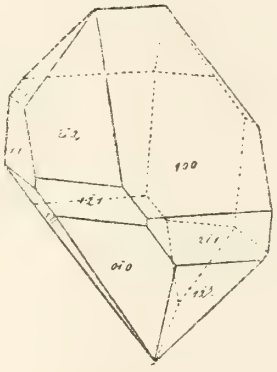

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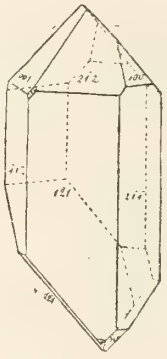

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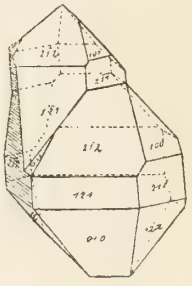
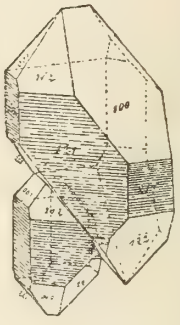


Fig. 740.



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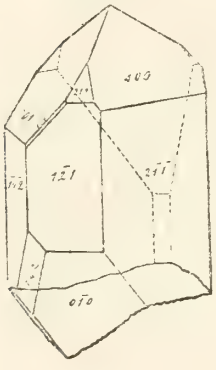

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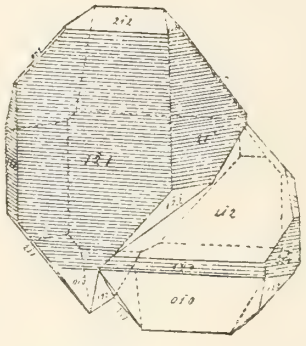

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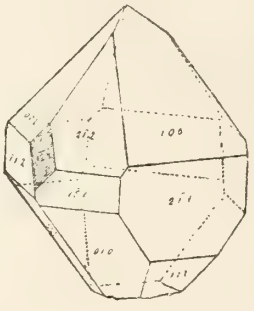

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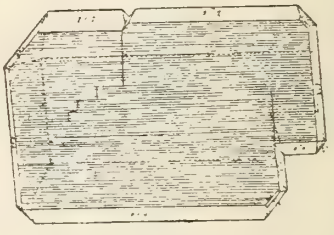

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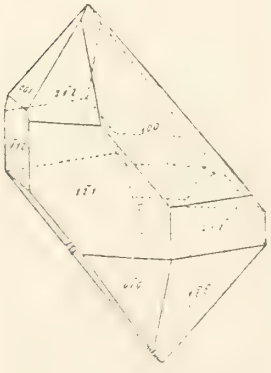

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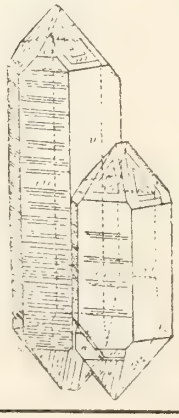

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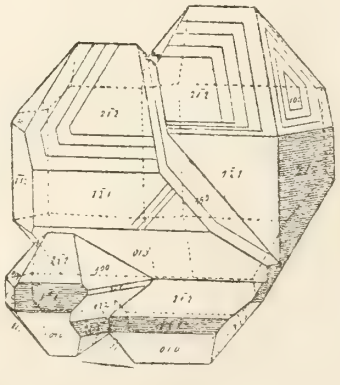

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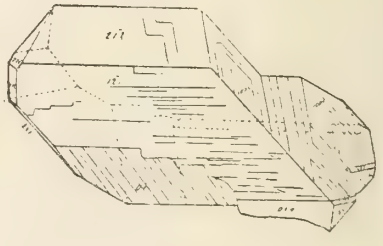

Quarz

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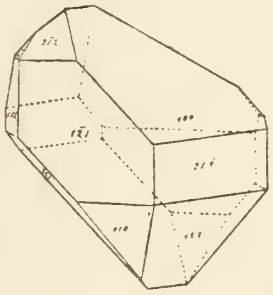

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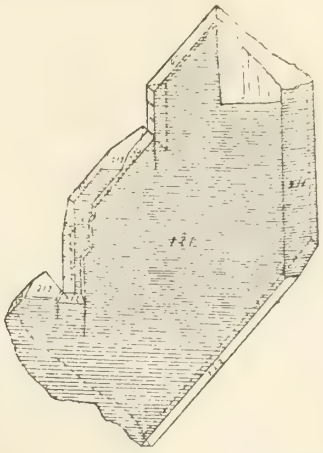

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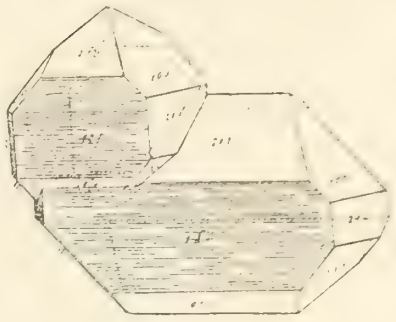

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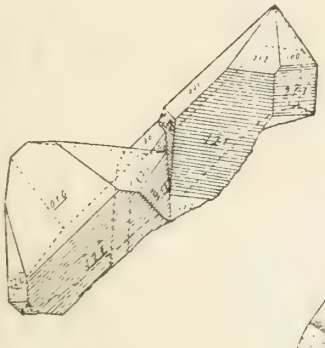

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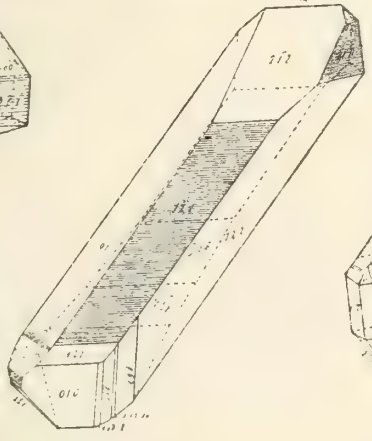

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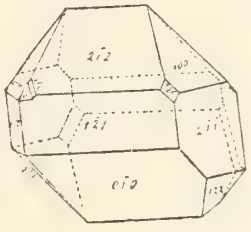

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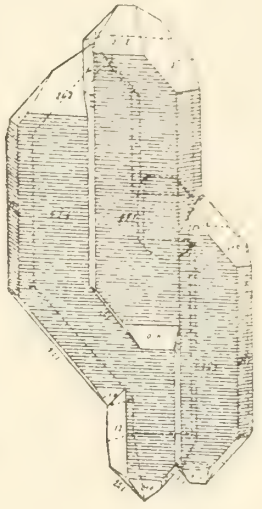

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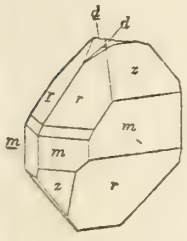

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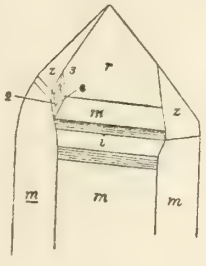

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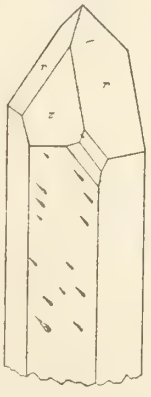

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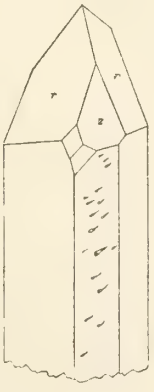

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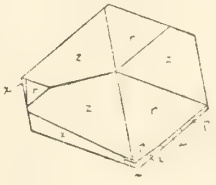

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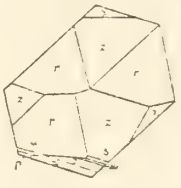
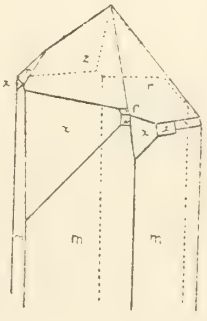




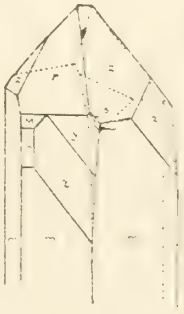
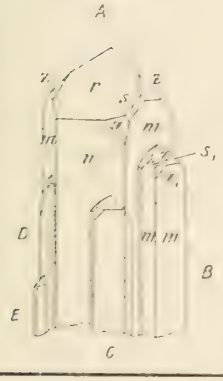


Fig. 760.



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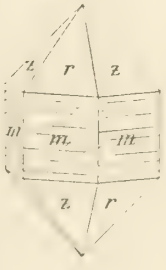
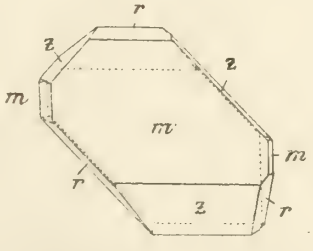


Fig. 762.



Quarz

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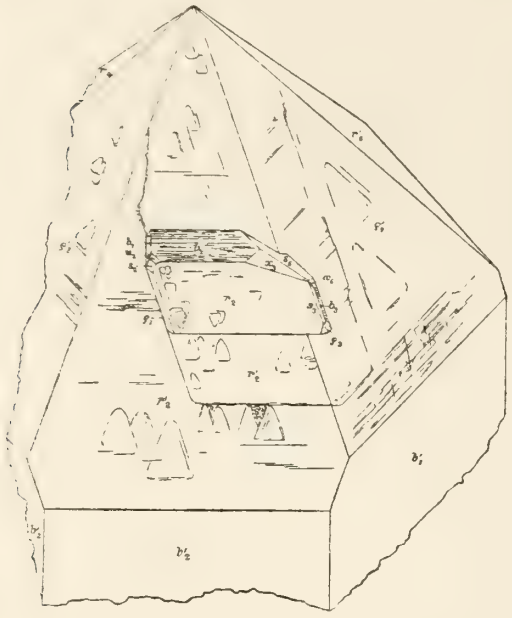

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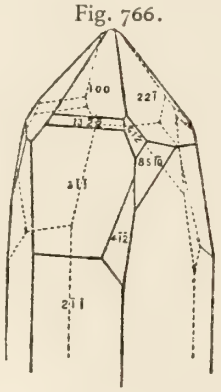

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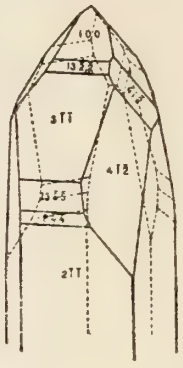
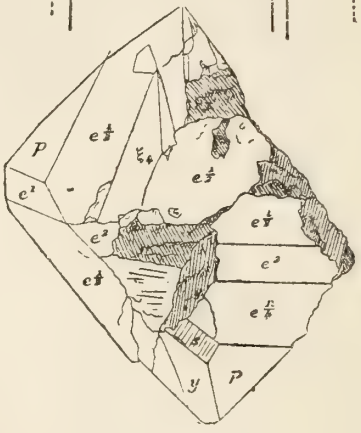


Fig. 768.



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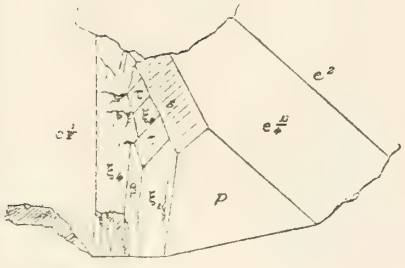
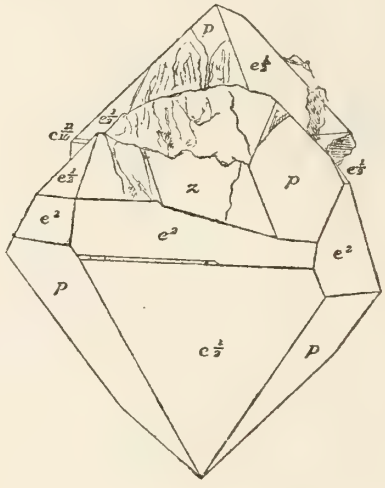


Fig. 770.



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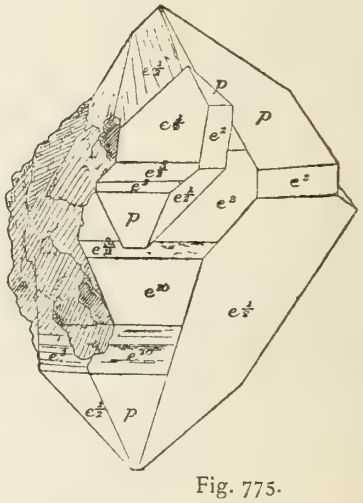

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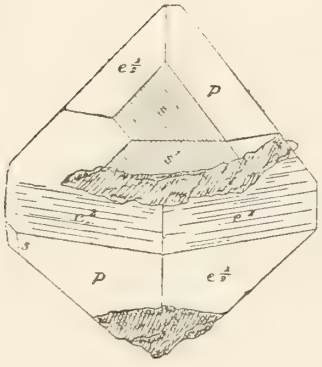

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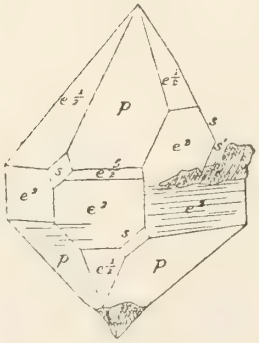

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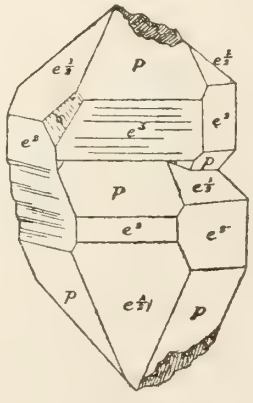
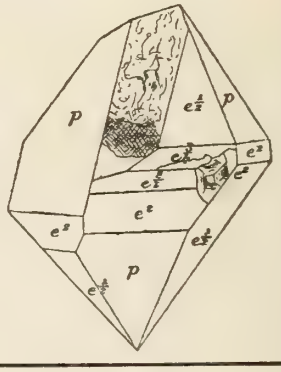


Fig. 775.



Quarz

Fig. 776.

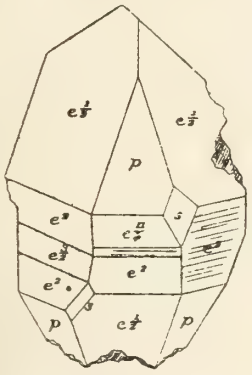
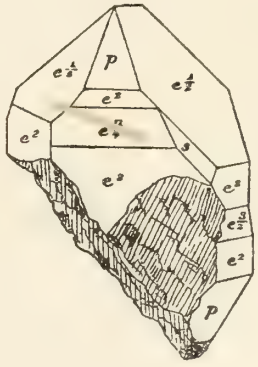


Fig. 777.



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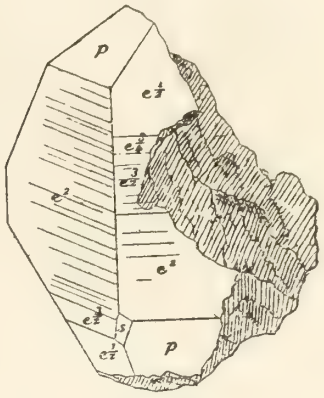

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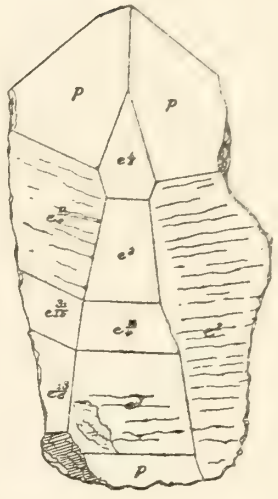
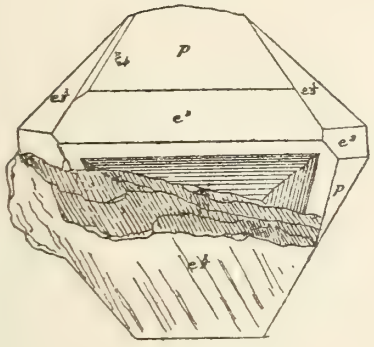


Fig. 780.



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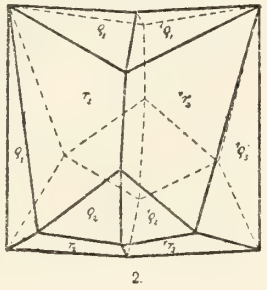

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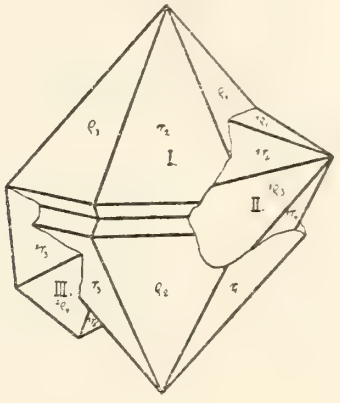


Fig. 783.

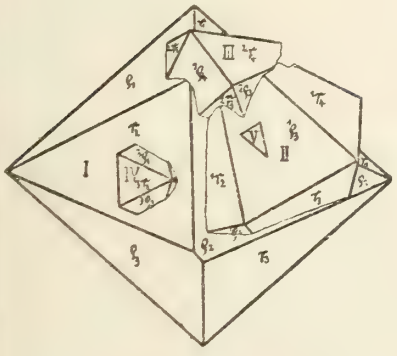


Fig. 784.

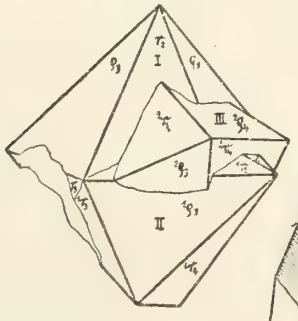


Fig 785.

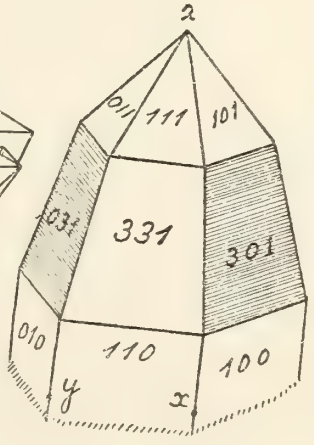
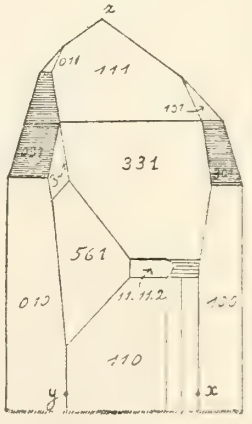
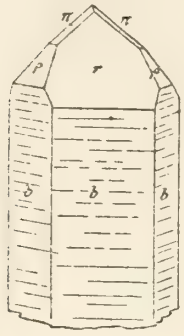


Fig. 786.



Quarz

Fig. 787.



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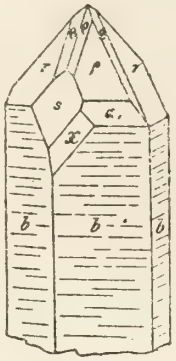

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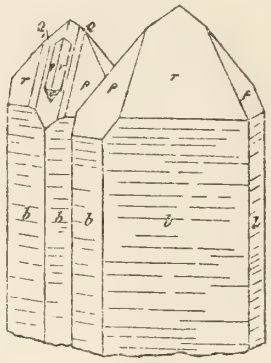

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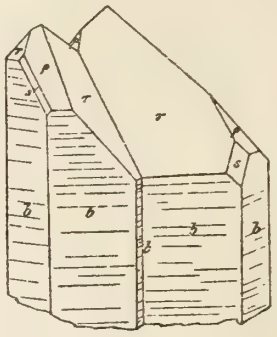


Fig. 791.

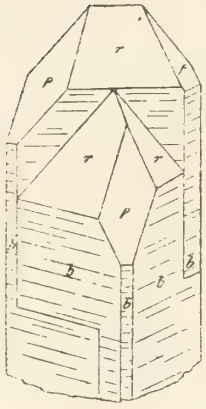
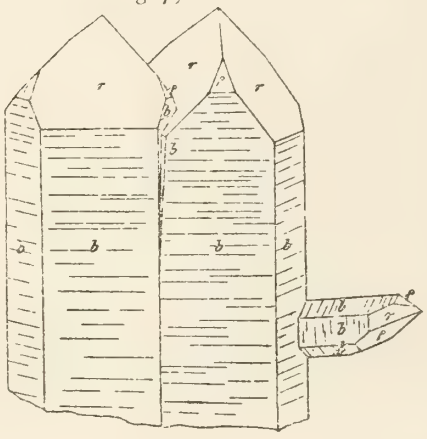


Fig. 792.



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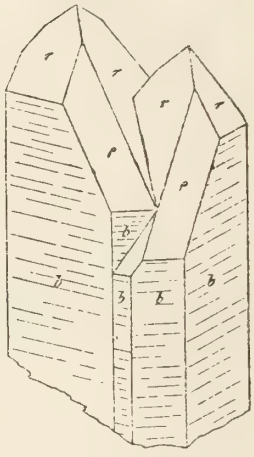

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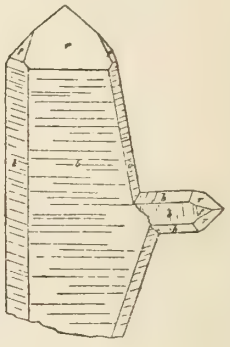

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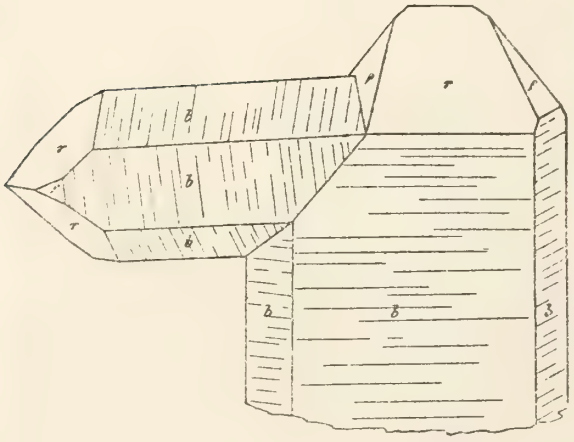

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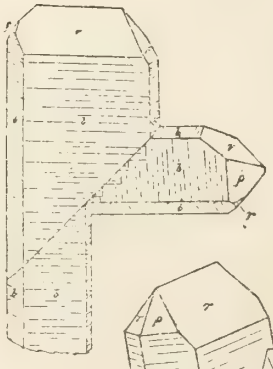

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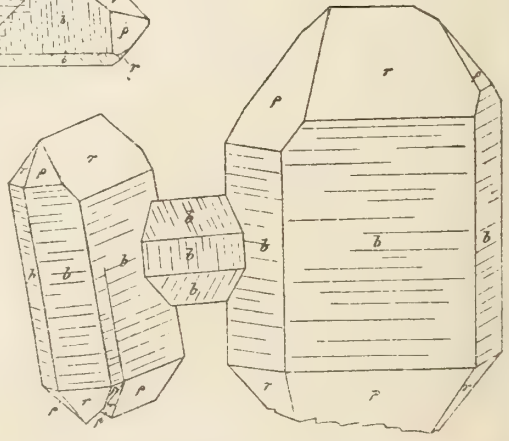

Quarz

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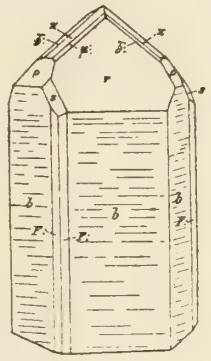

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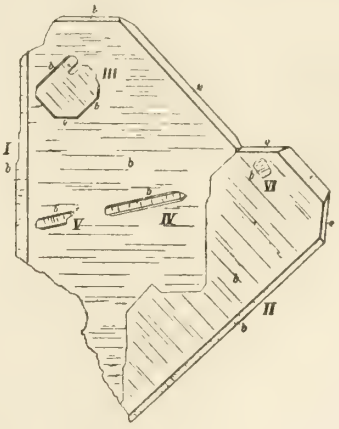

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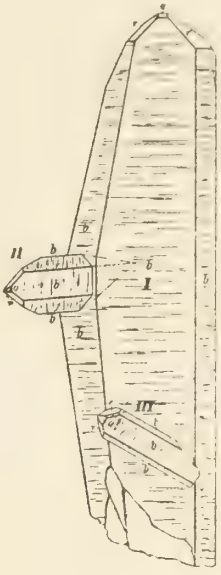

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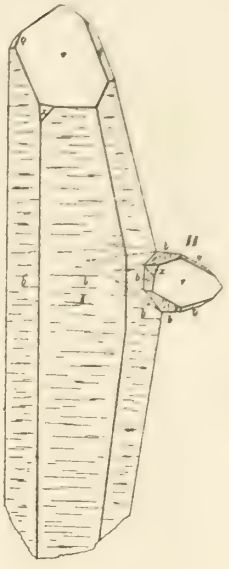

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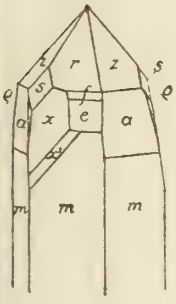

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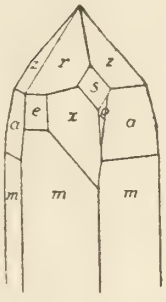

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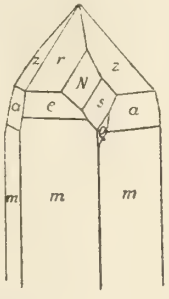

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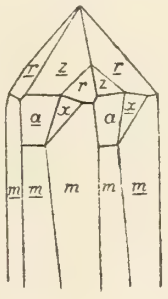

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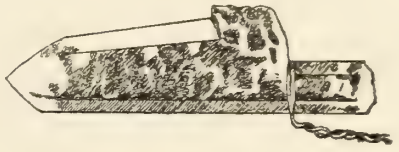

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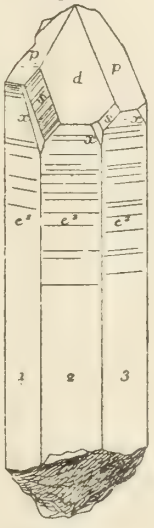

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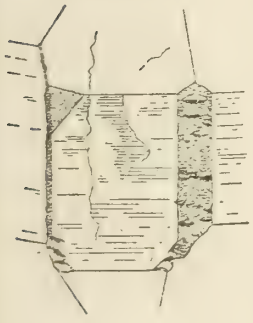

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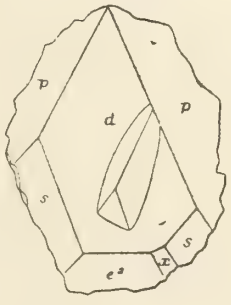


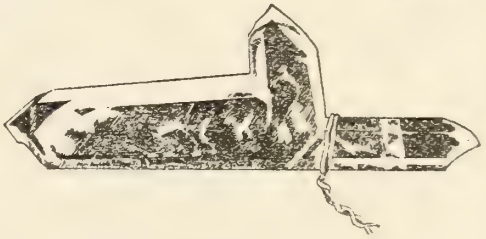
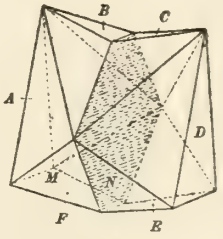


Fig. 810.

Fig. 811.



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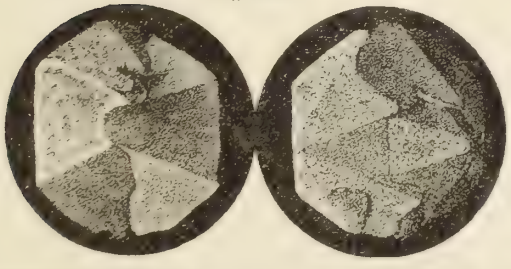
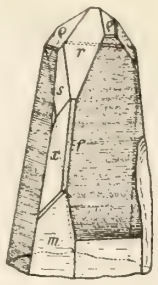


Fig. 814.

Quarz

Fig. 815.



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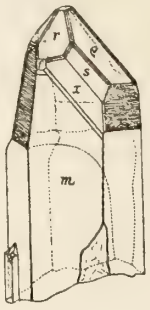

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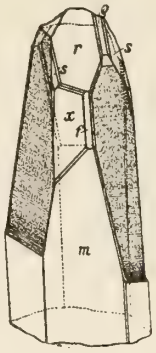

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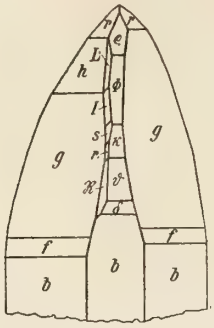

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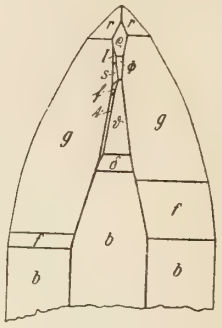

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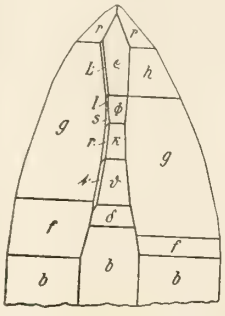

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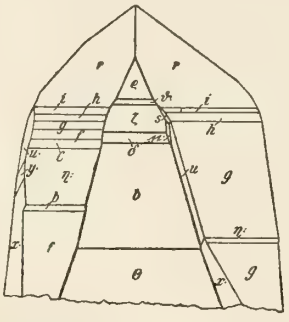

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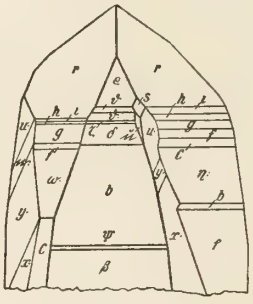

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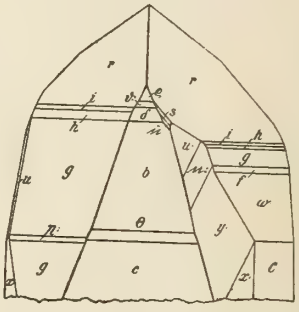

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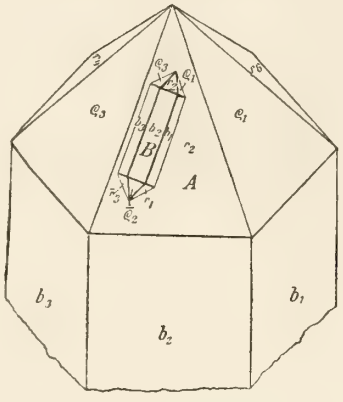

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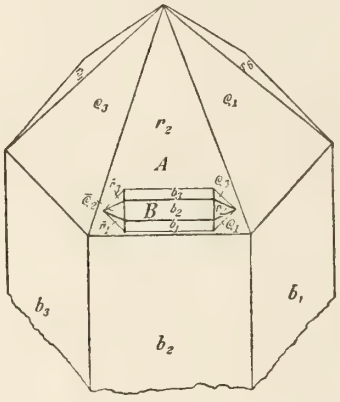


Fig. 826.

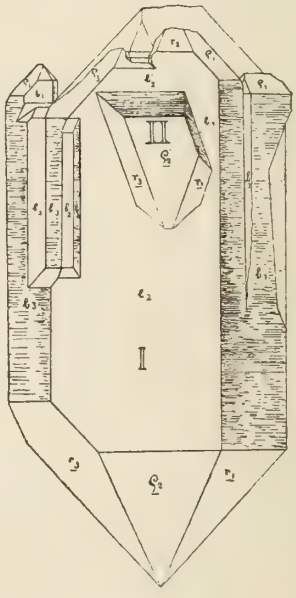
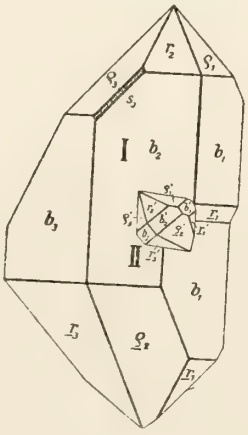


Fig. 827.



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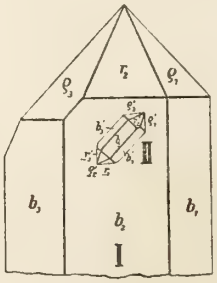

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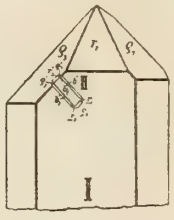

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Fig. 830.

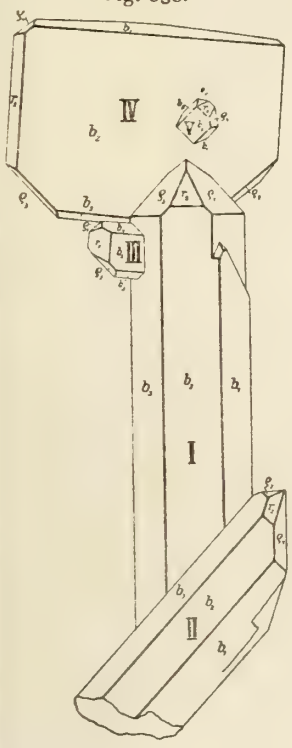


Fig. 831.

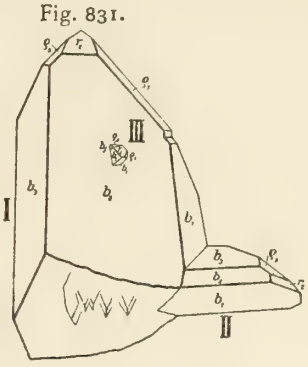
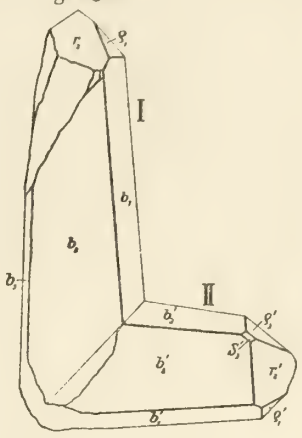


Fig. 832.



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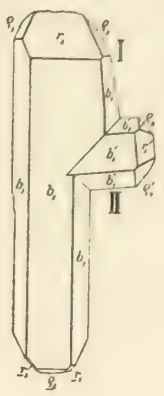

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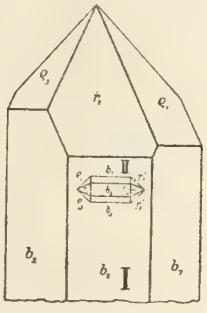

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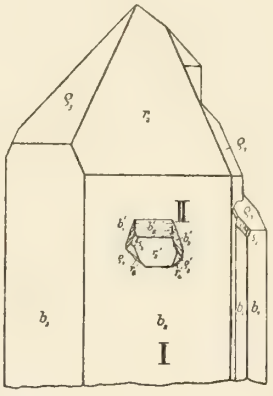


Fig. 836.

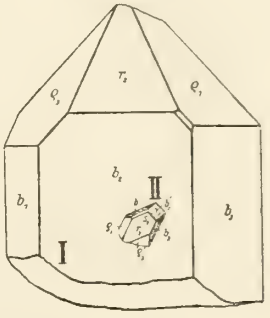
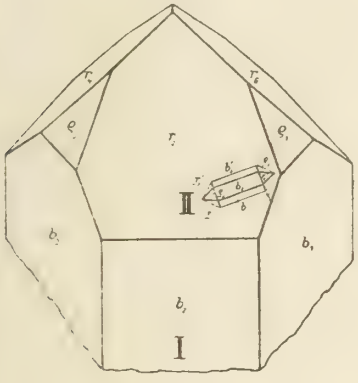


Fig. 837.



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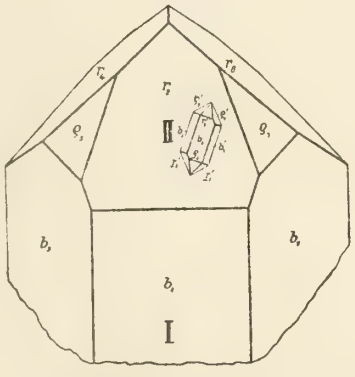

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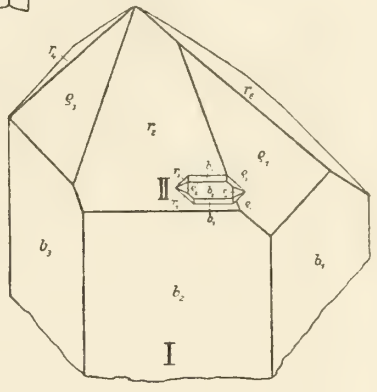


Fig. 840.

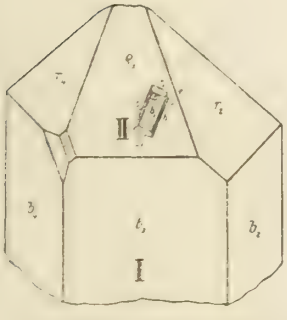


Fig. 841.

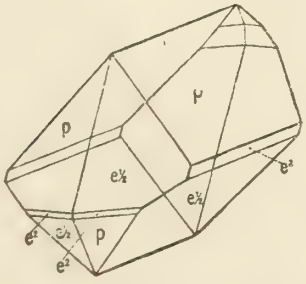
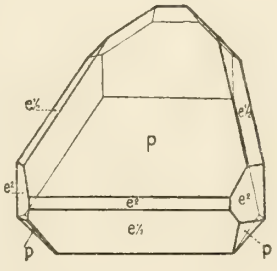


Fig. 842.



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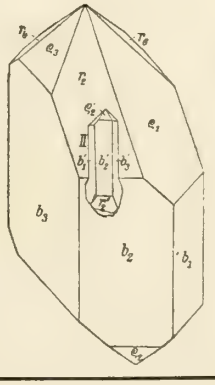
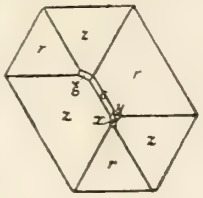


Quarz

Fig. 844.



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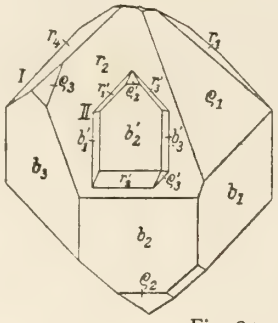
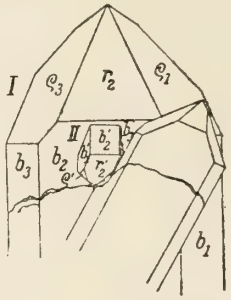


Fig. 846.



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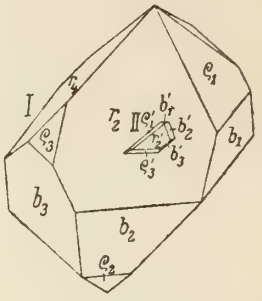
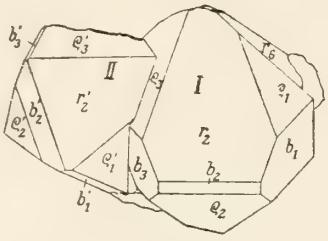


Fig. 848.



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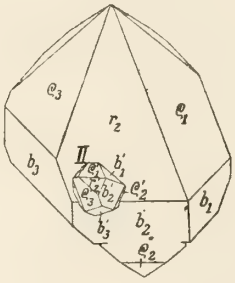

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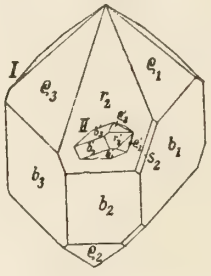

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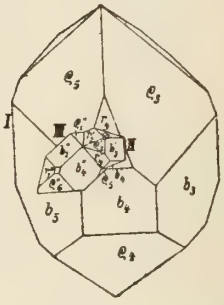

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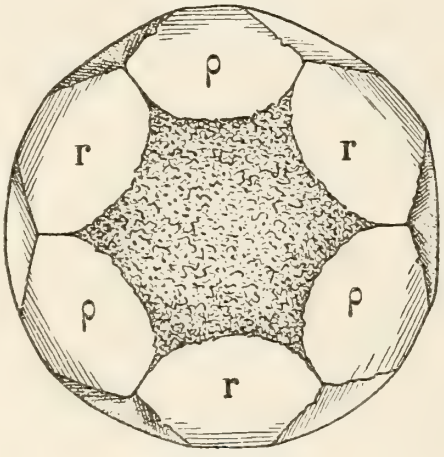

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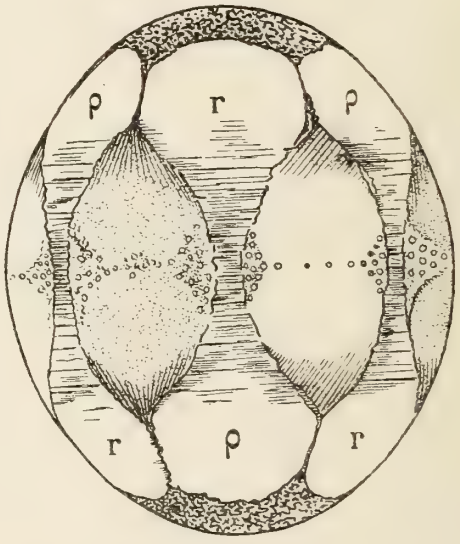

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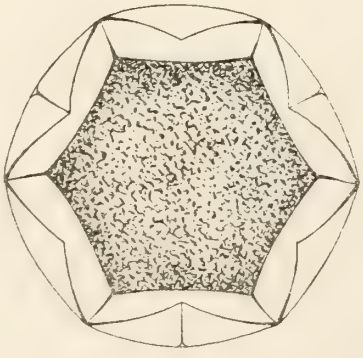

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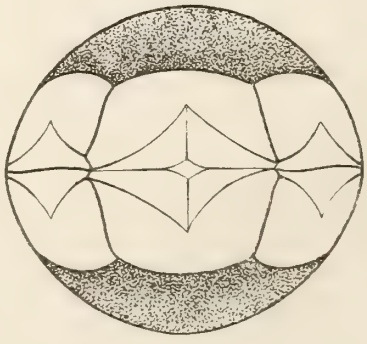
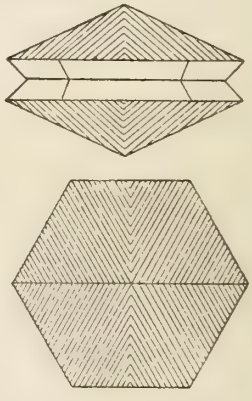
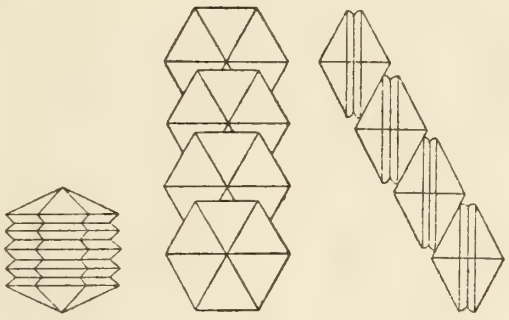


Quarzin Fig. 1.

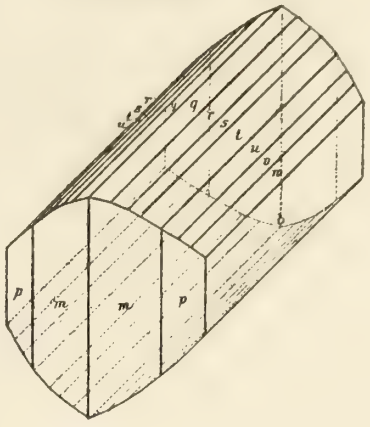


Quarzin

Fig. 2.



Quenstedtit Fig. 1.



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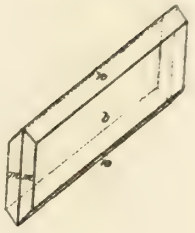
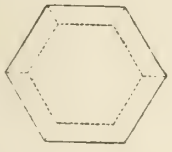


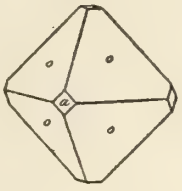
Raimondit

Fig. 1.



Ralstonit

Fig. 1.



Rammelsbergit

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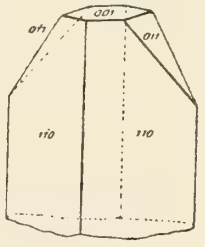

Raspit

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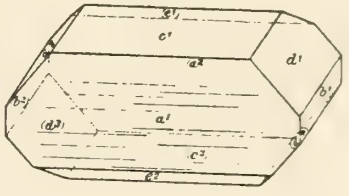

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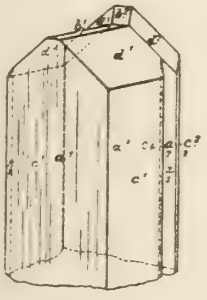

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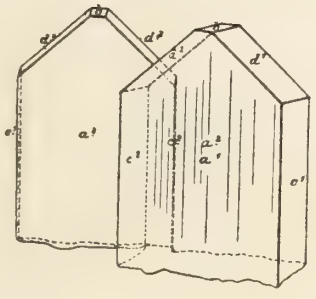

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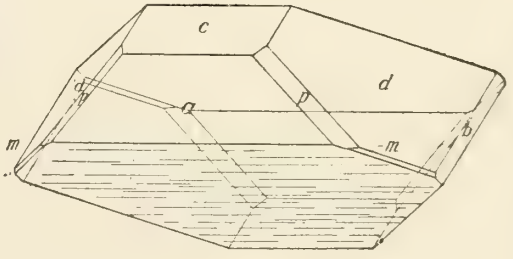
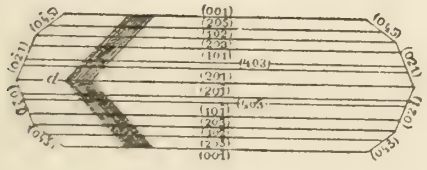


Rathit

Fig. 1.



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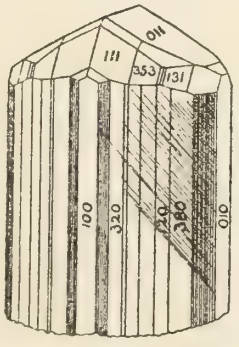

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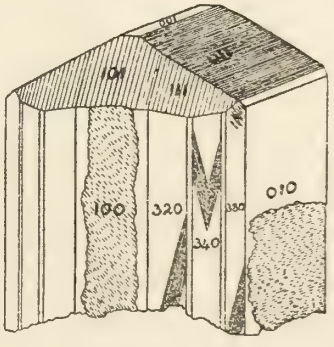

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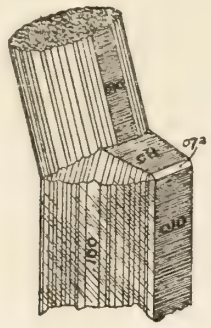

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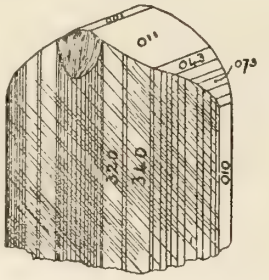

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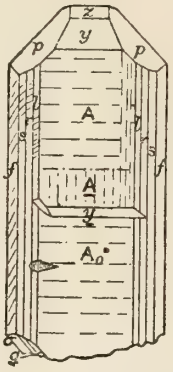

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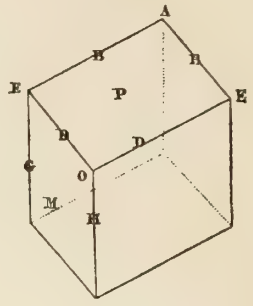
Fig. 1.



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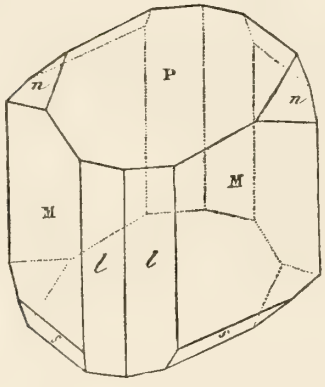

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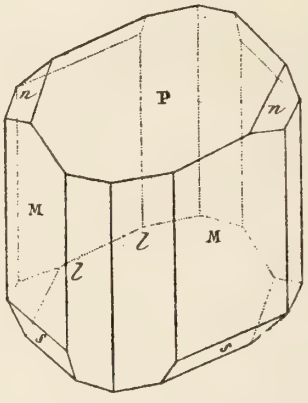

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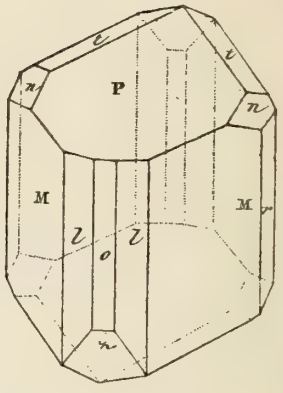

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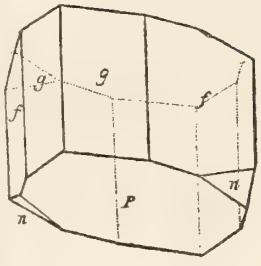

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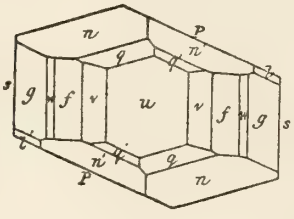

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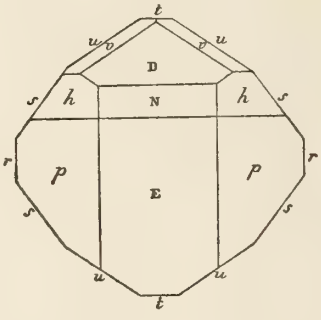

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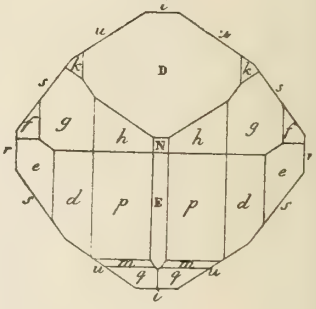

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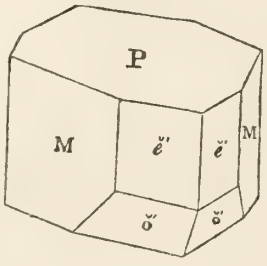

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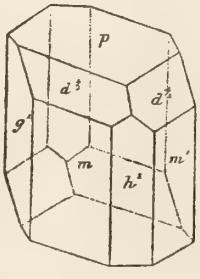

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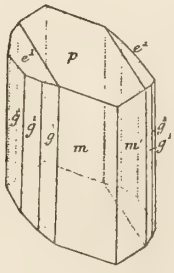

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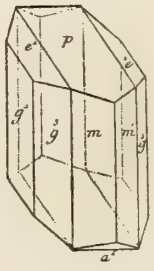

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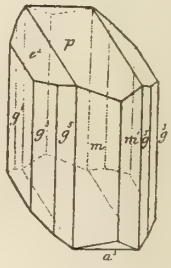

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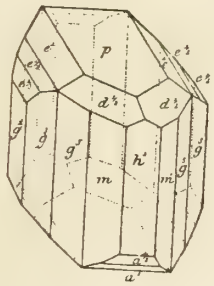
Fig. 14.



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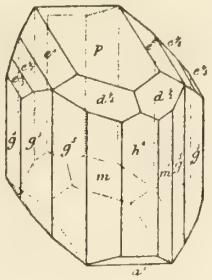

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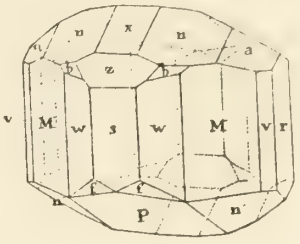

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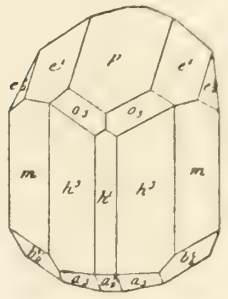

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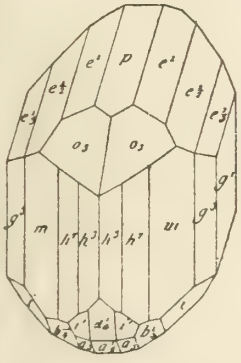

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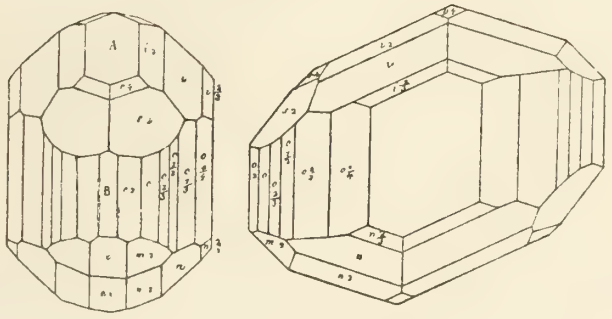

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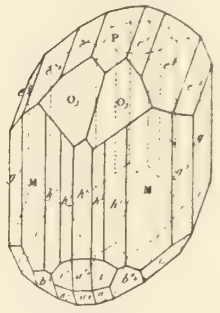

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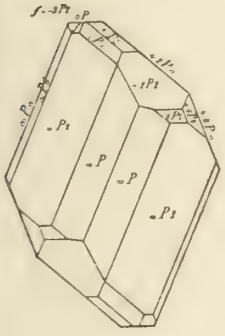

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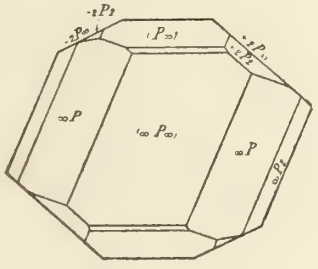

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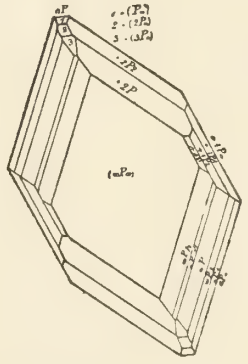

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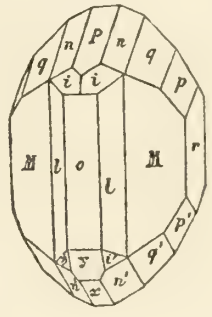

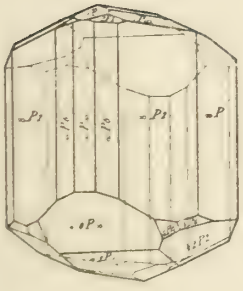

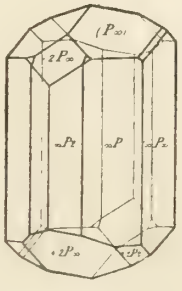

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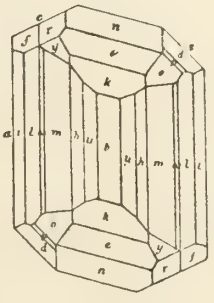

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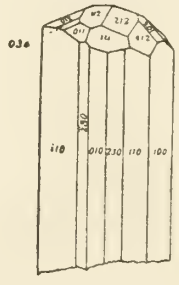

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Fig. 27.

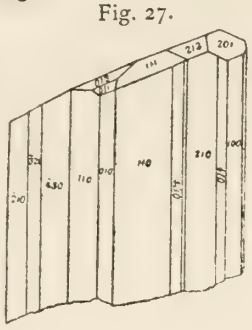
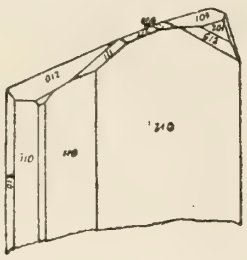


Fig. 28.



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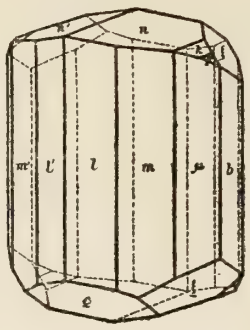

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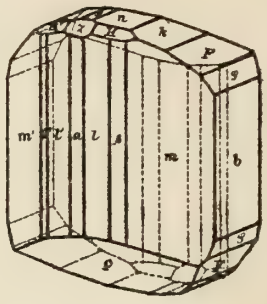

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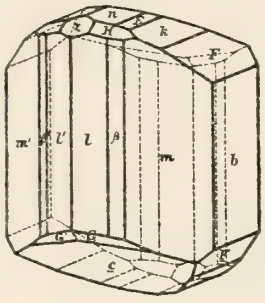
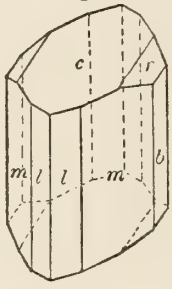


Fig. 32.

Fig. 33.



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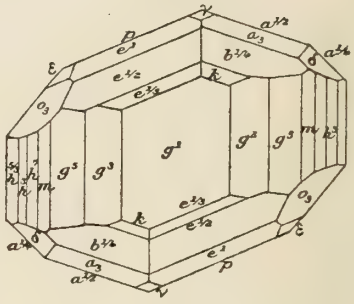

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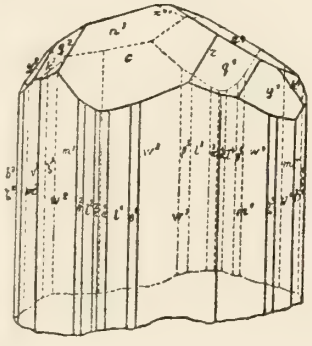

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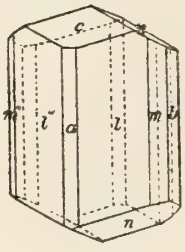

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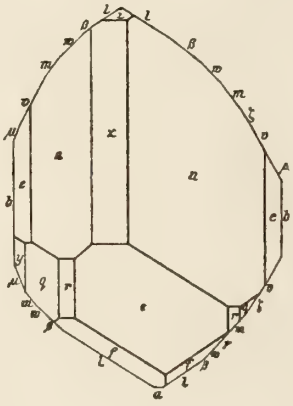

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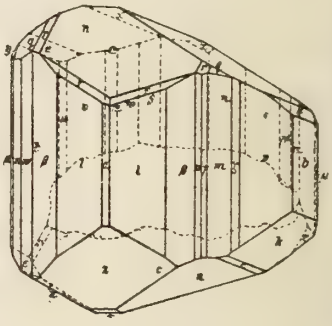

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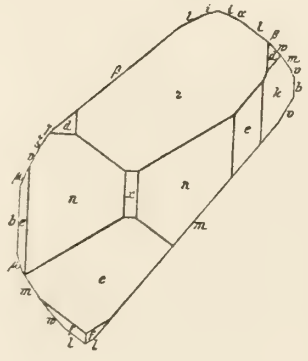

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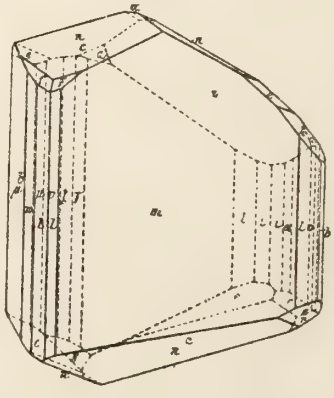

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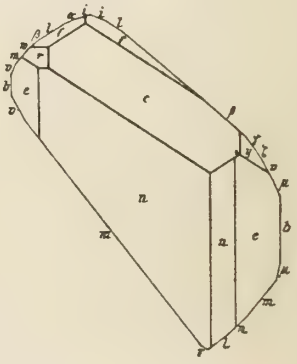

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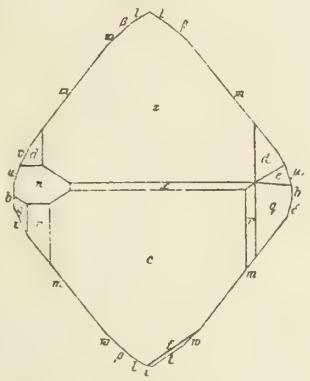

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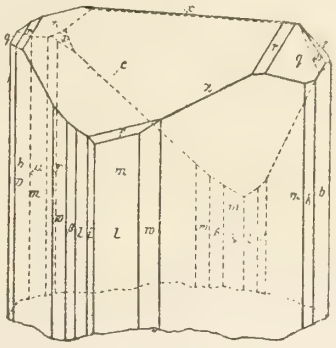

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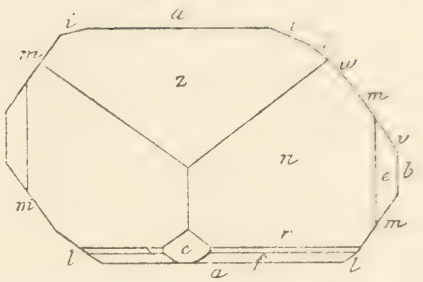

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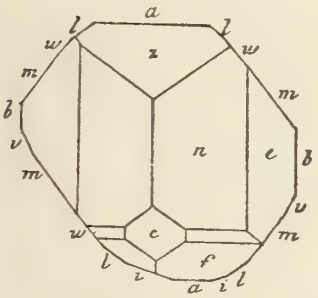

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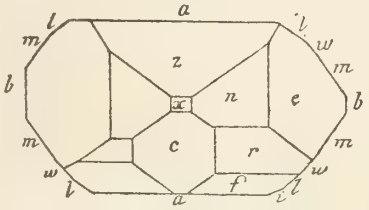

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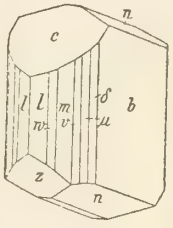

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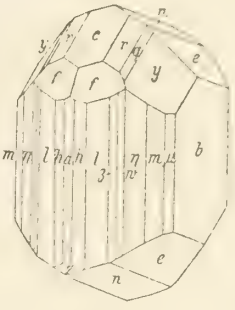

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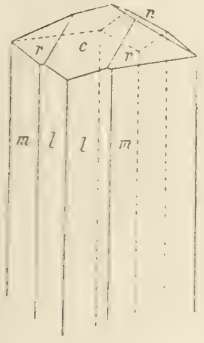

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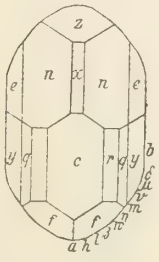

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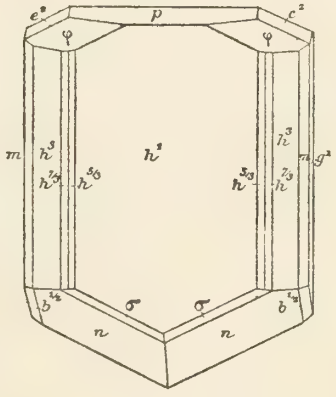

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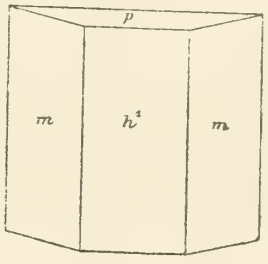

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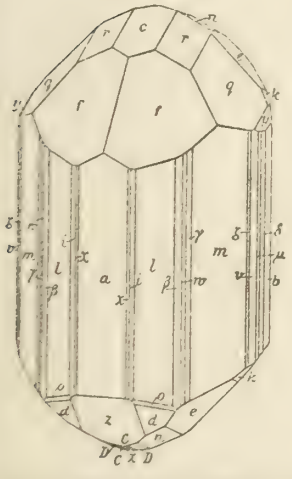

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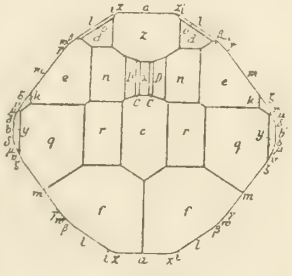

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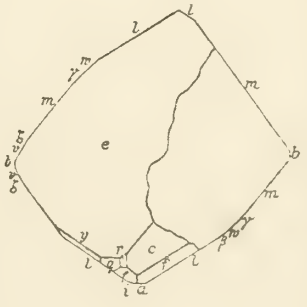

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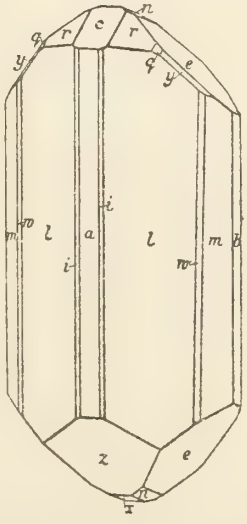

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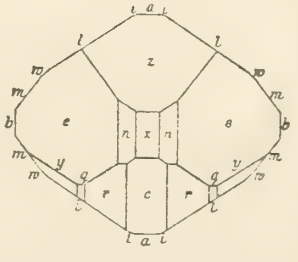

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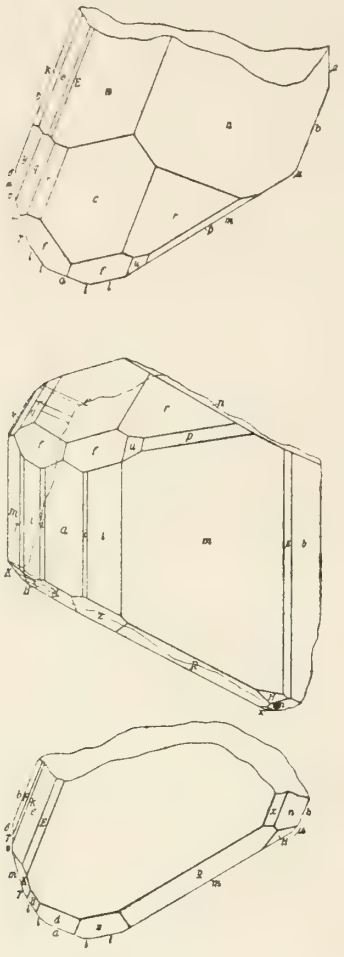

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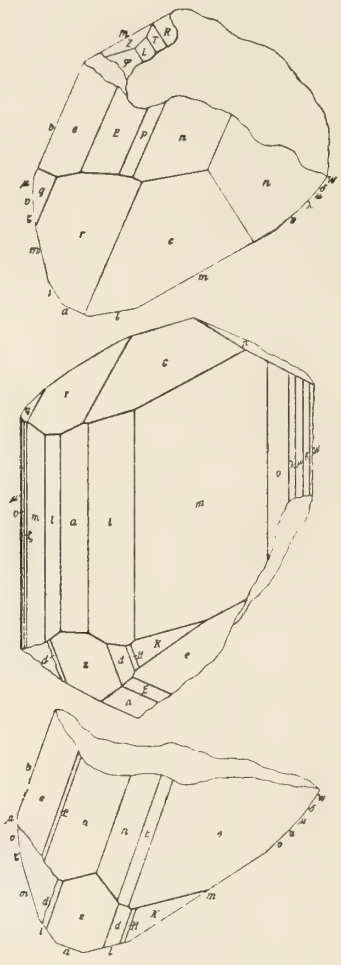
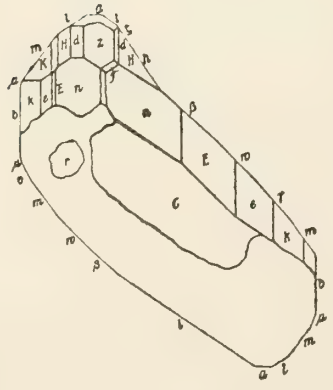


Fig. 60.

Fig. 61.



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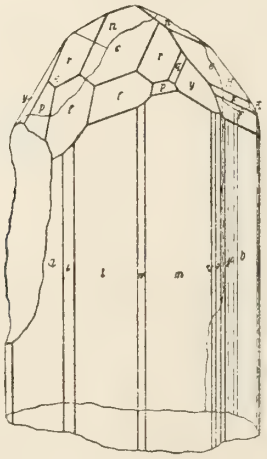

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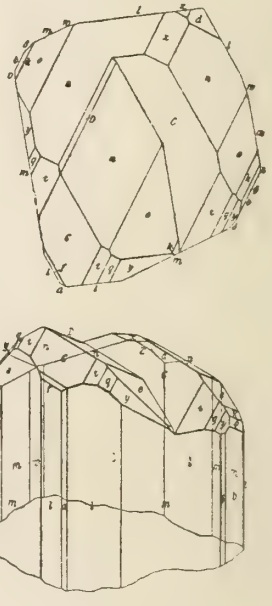

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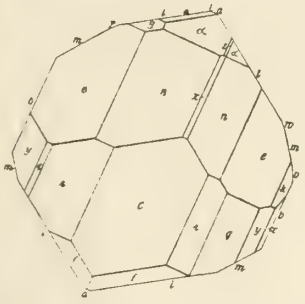

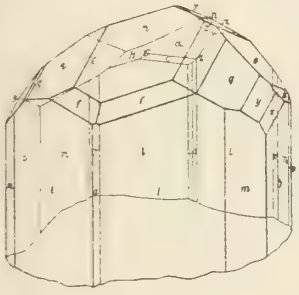

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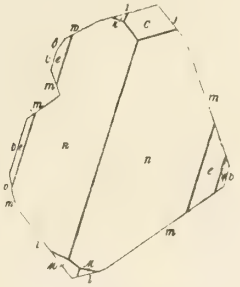

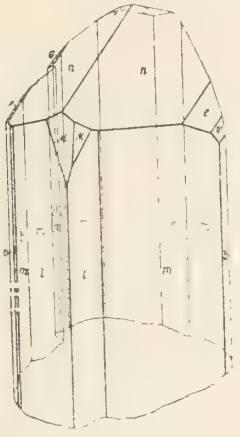

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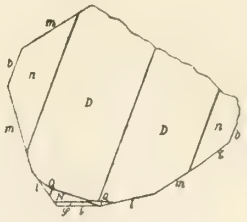

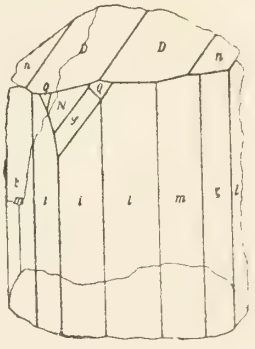

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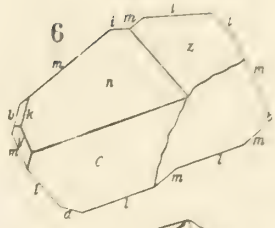
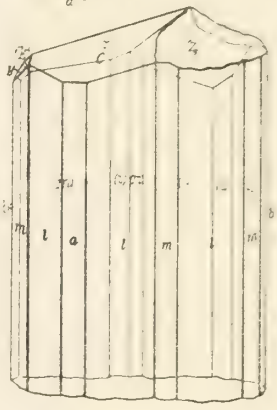




Reddingit

Fig. 1.

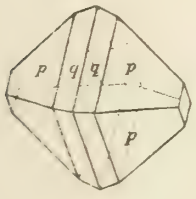
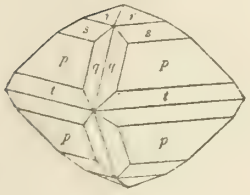
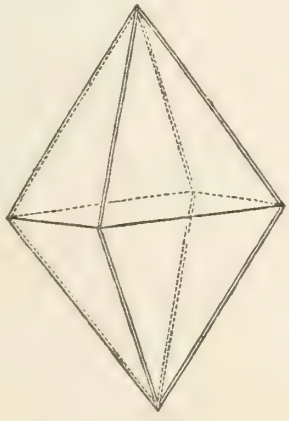


Fig. 2.



Reinit

Fig. 1.



Retzian

Fig. 1.

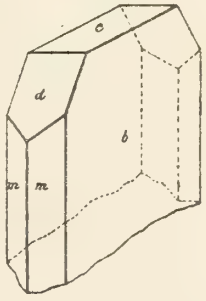


Fig. 2.

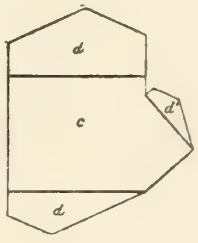


Fig. 3.

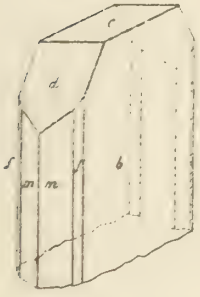
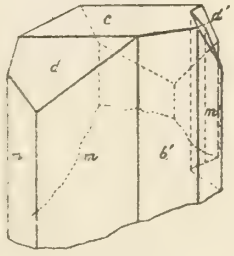
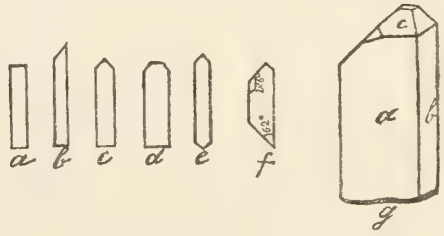


Fig. 4.



Rhabdit

Fig. 1.



Rhodizit

Fig. 1.

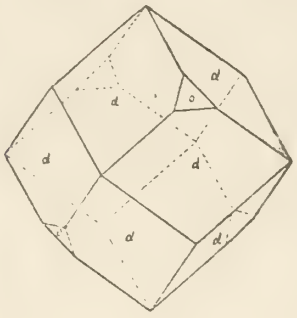


Fig. 2.

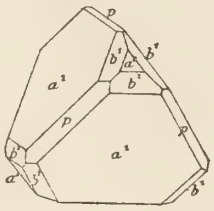


Fig. 3.

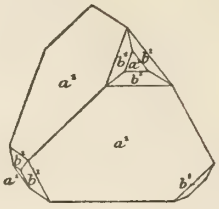
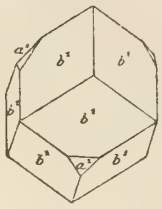
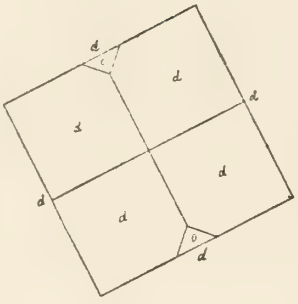


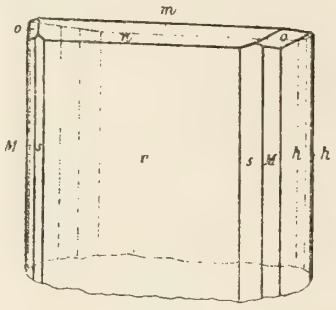
Fig. 4.





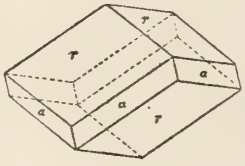
Rinkit

Fig. 1.



Rinneit

Fig. 1.



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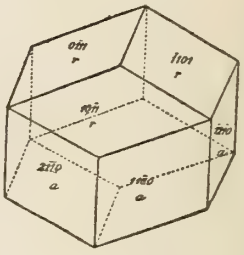
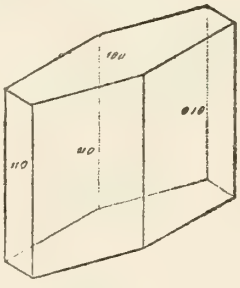


Römerit Fig. 1.



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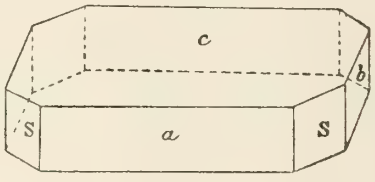

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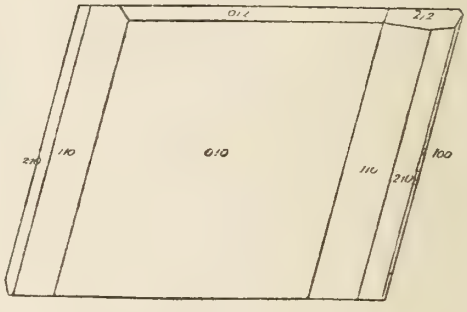

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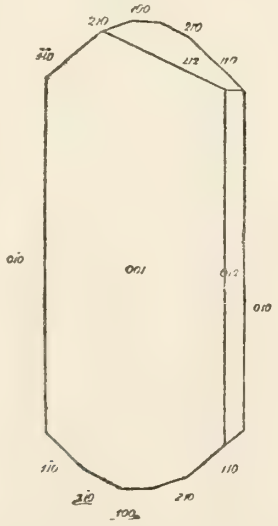

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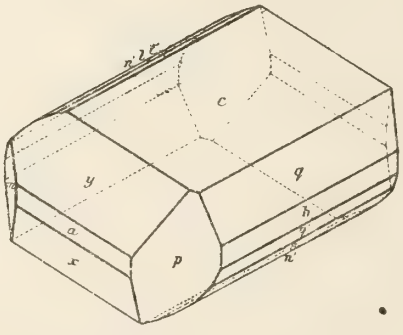
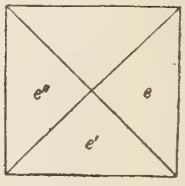


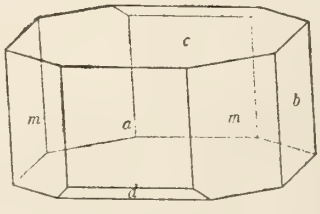
Romëit

Fig. 1.



Roscherit

Fig. 1.



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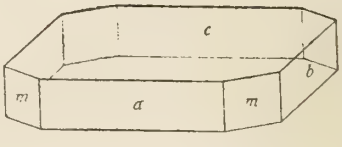
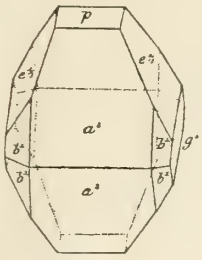


Roselith

Fig. 1.



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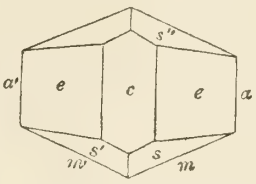

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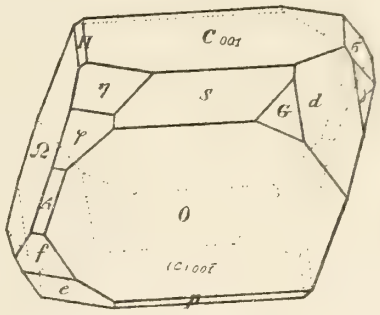

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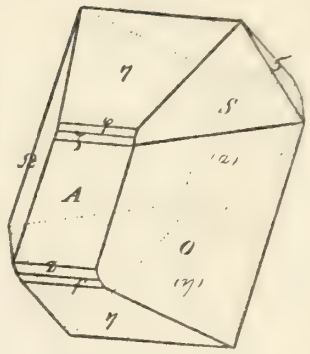

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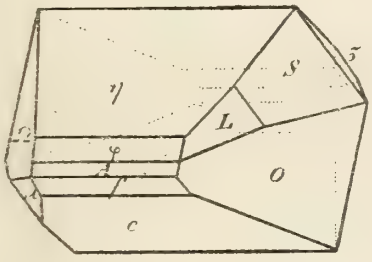

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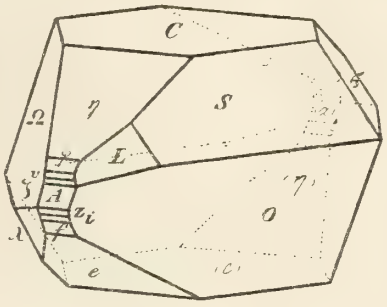

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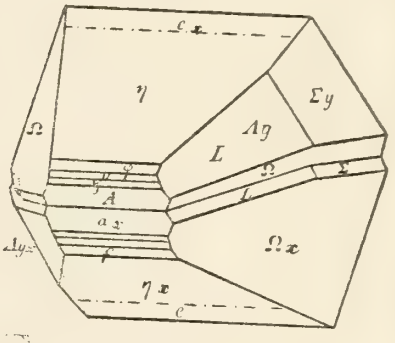

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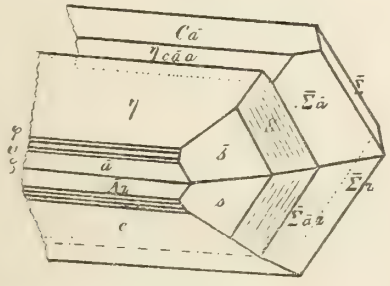

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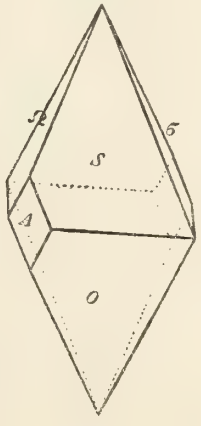

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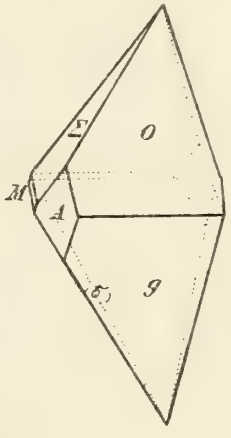
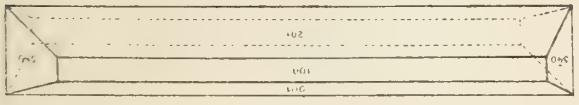


Rosenbuschit

Fig. 1.



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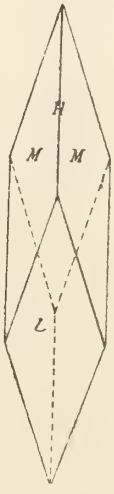
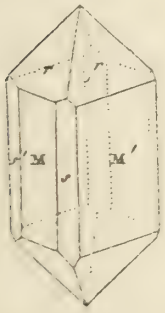


Rotbleierz

Fig. 1.



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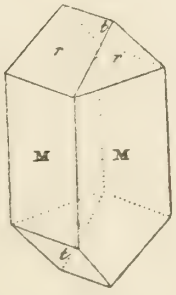

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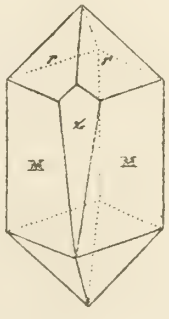
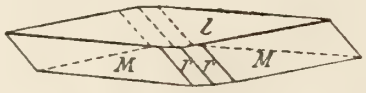


Fig. 5.

Rotbleierz

Fig. 6.

Fig. 7.



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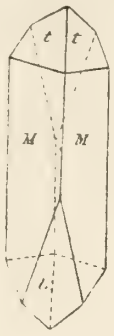

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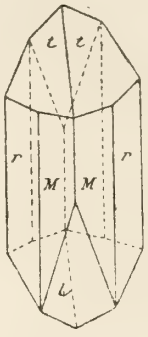

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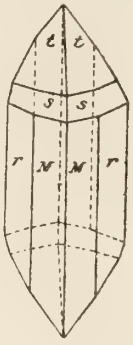

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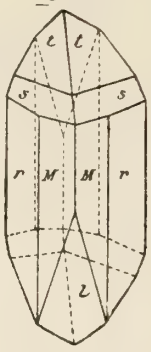

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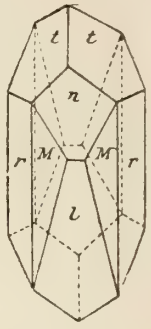

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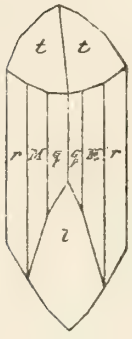

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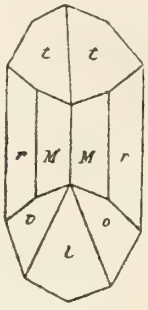

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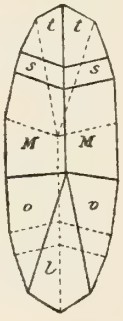

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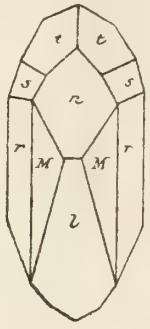

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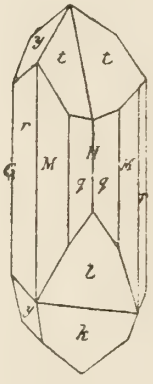


Fig. 18.

Fig. 19.

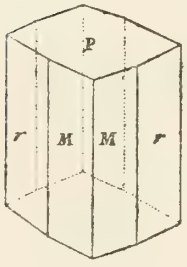
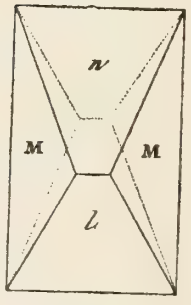


Fig. 20.

Fig. 21.



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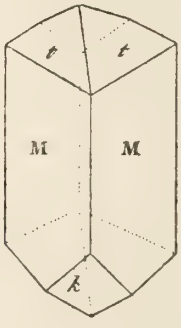

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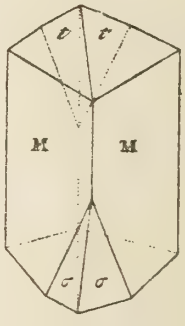

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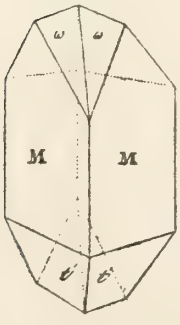

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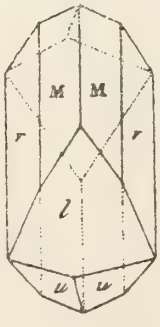

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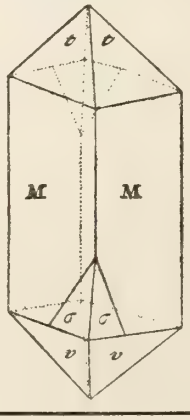

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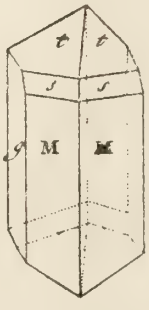

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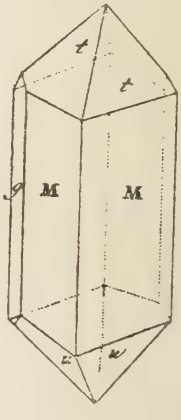
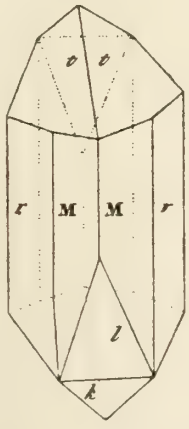


Rotbleierz

Fig. 29.



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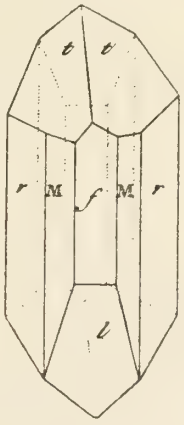

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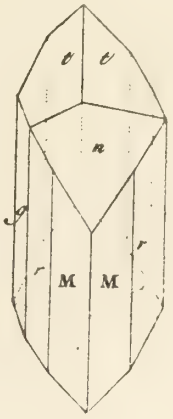

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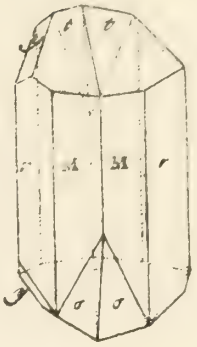

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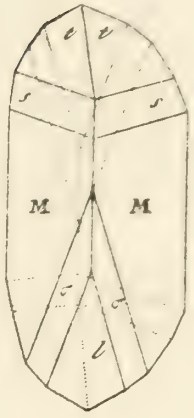

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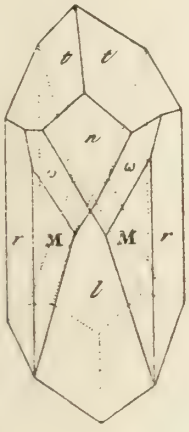

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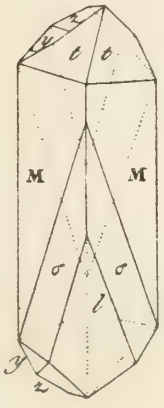
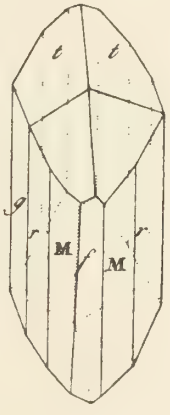


Fig. 36.



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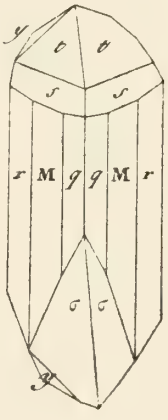

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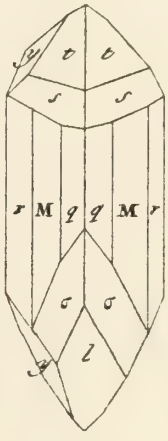

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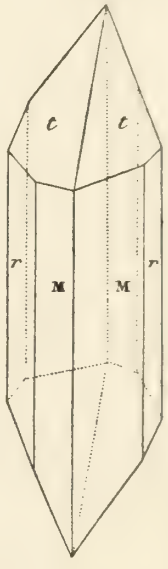
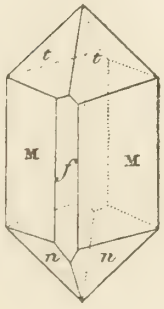


Fig. 40.

Fig. 41.



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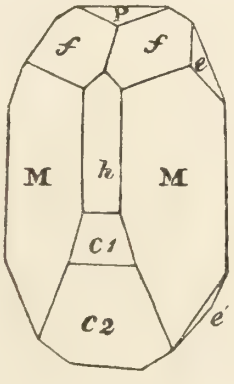

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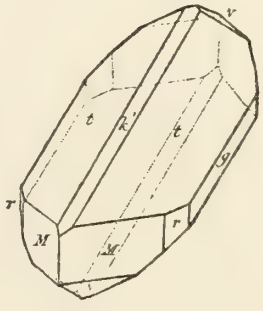

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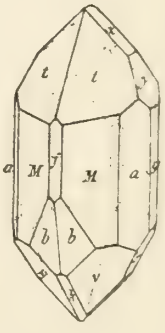

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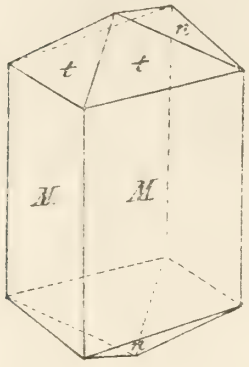

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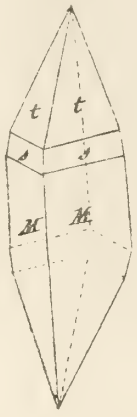

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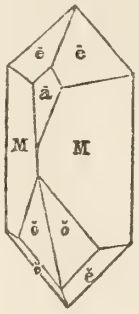

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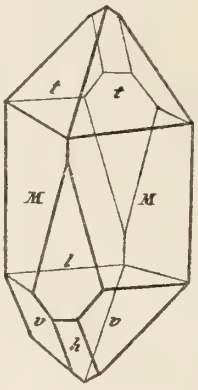

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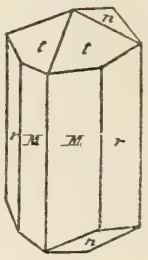

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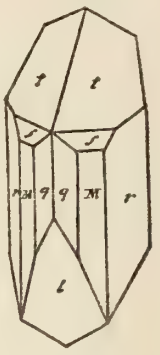

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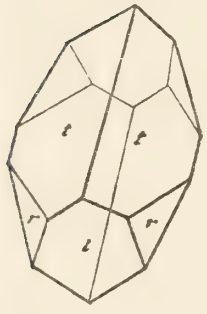

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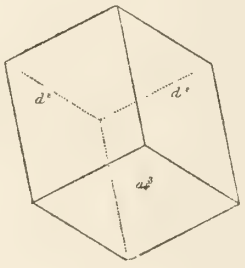

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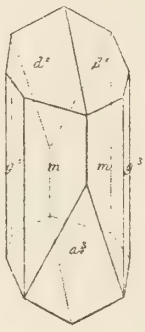

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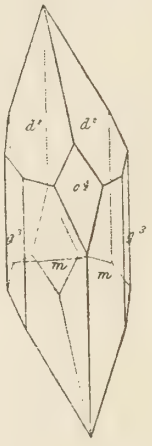

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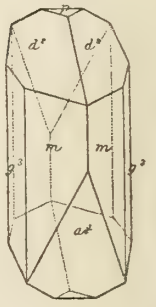

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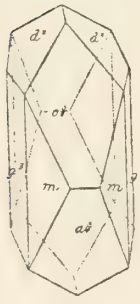

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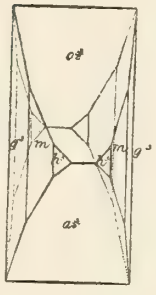

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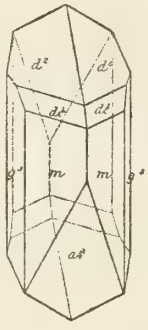

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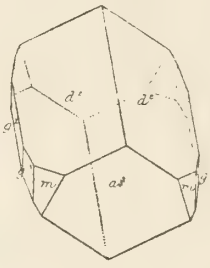

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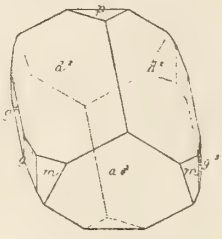

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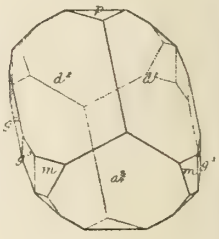

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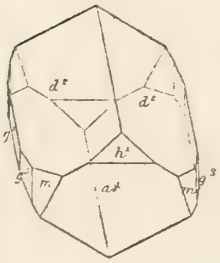

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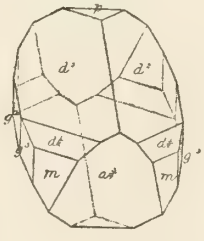

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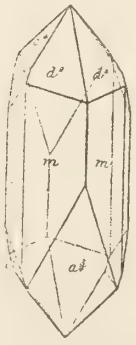

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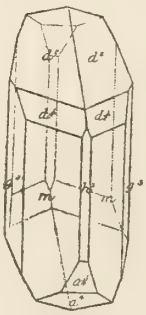

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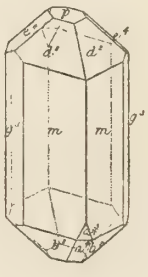

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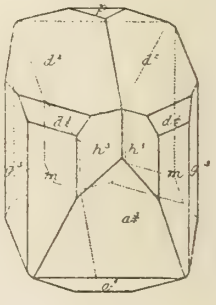

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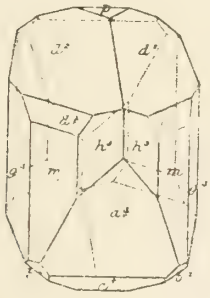

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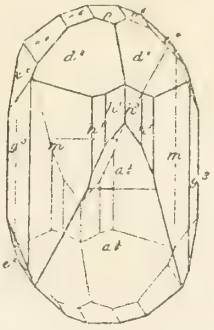

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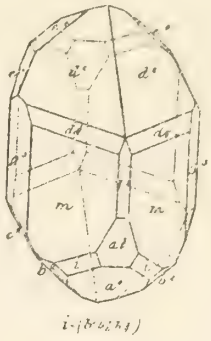
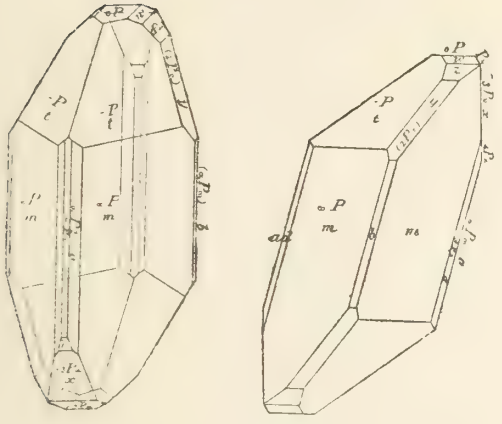


Fig. 71.

Fig. 72.



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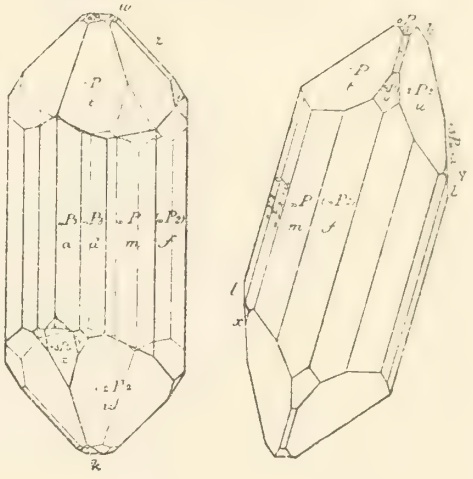

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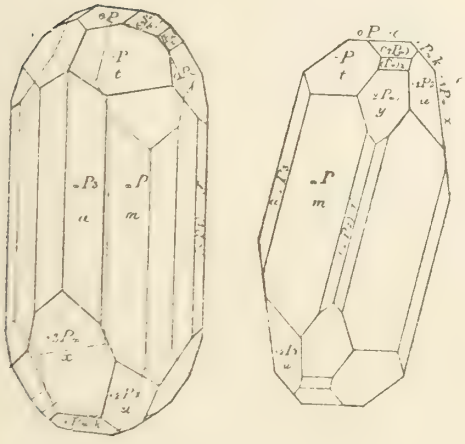

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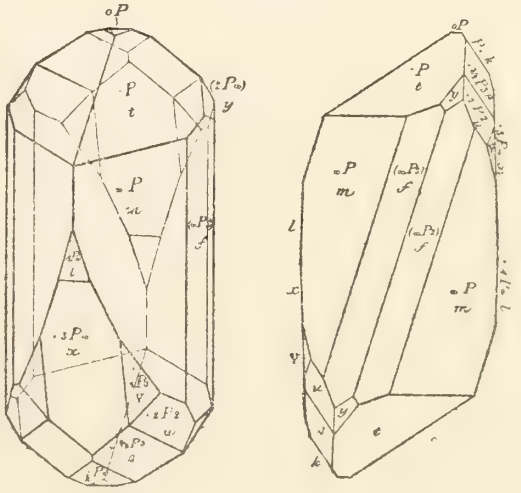

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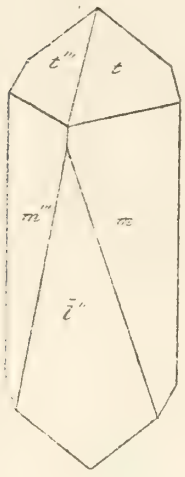

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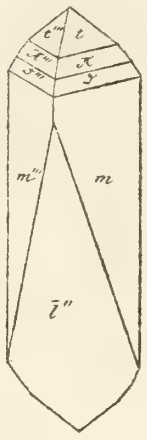

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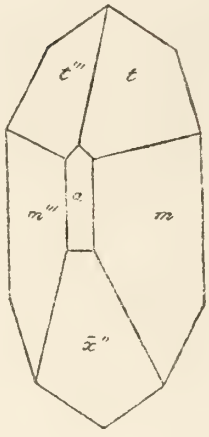
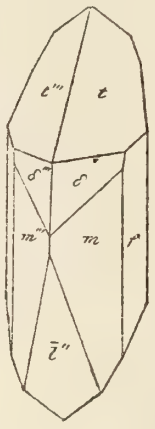


Fig. 79.

Fig. 80.



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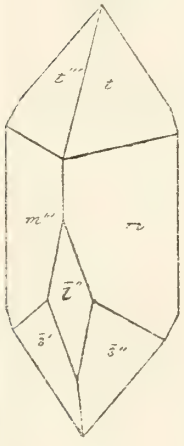

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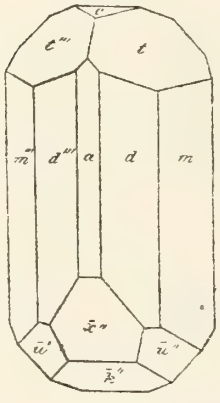

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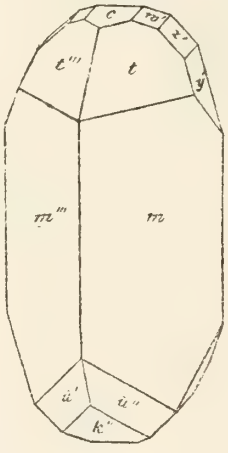

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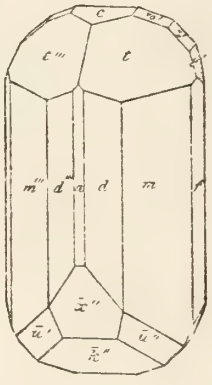

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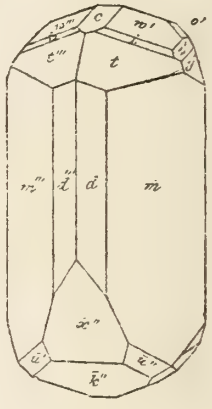

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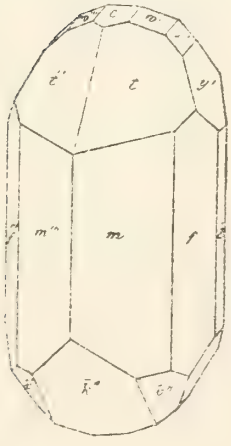

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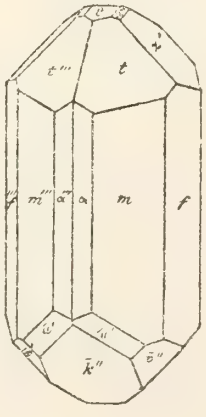

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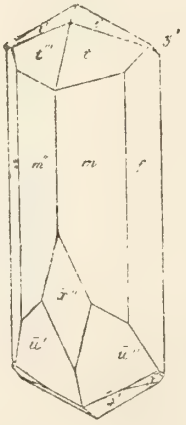

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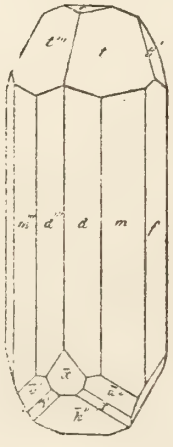

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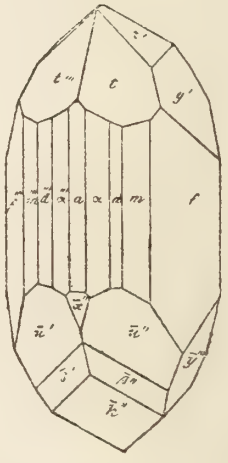

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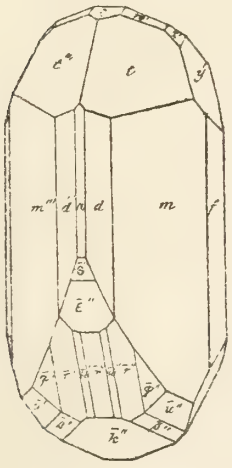

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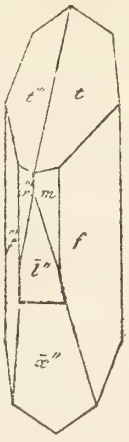
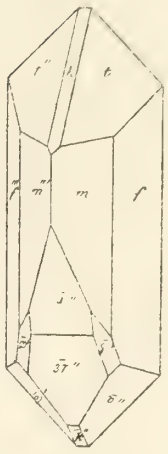


Fig. 93.

Fig. 94.



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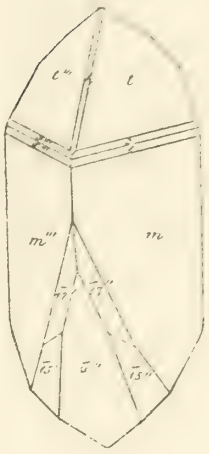

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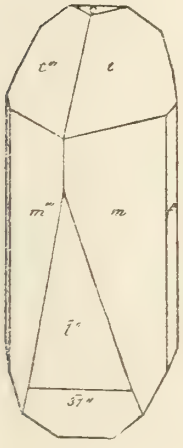

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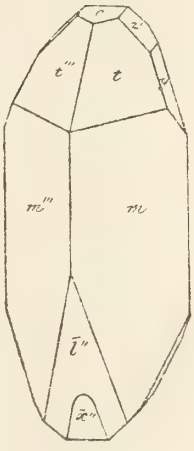

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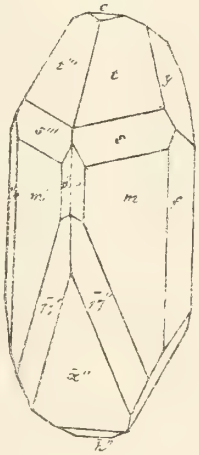

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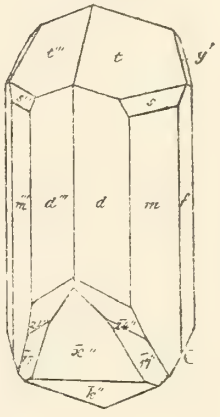

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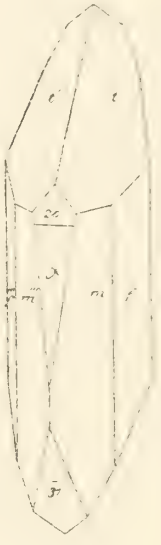
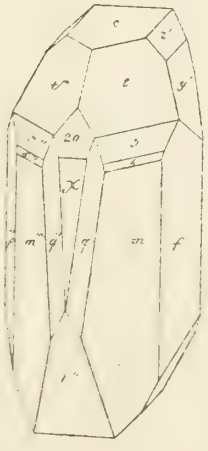


Fig. 101.

Fig. 102.



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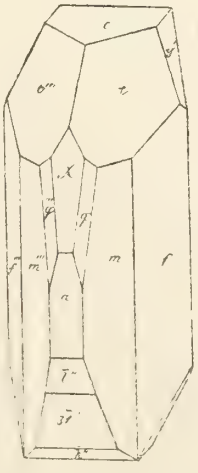

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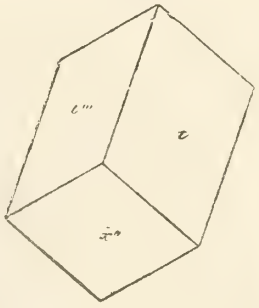

Fig. 105.

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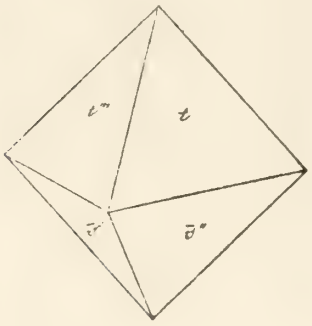
Fig. 106.



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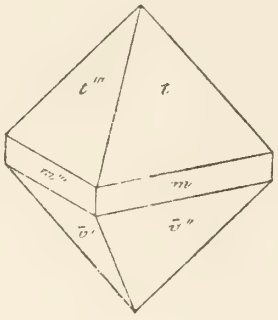

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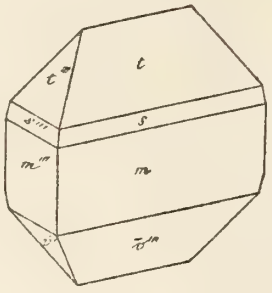

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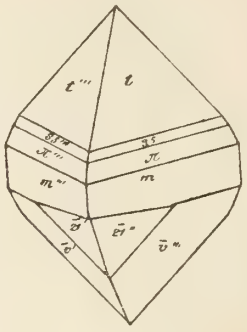

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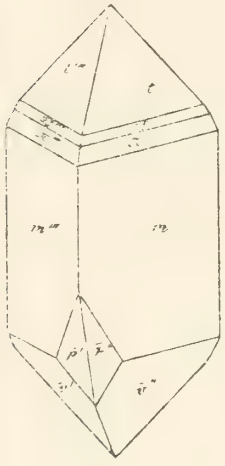

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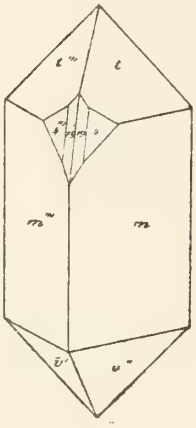
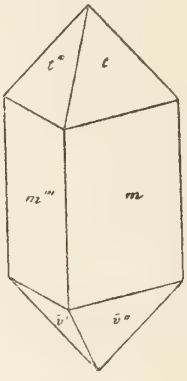


Fig. 112.

Fig. 113.

Fig. 114.



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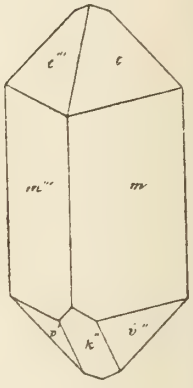

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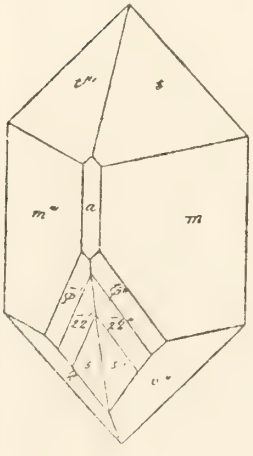

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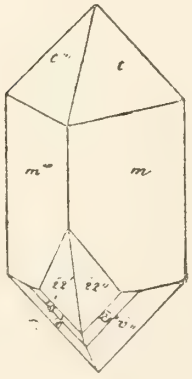

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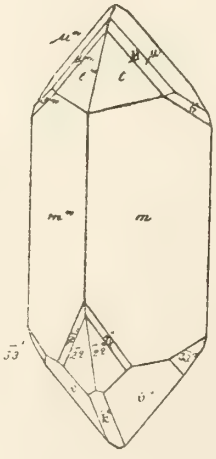

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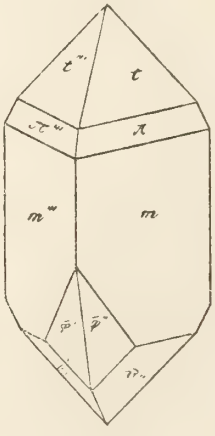

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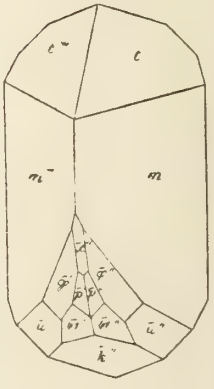

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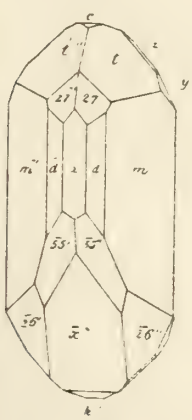

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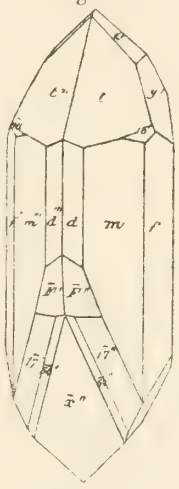

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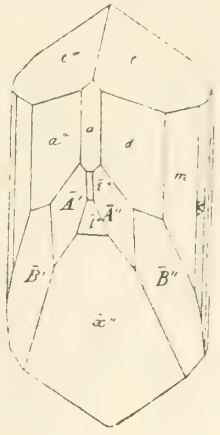

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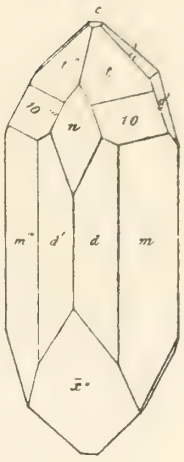

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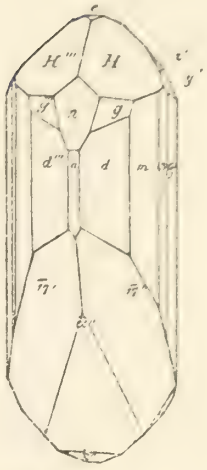

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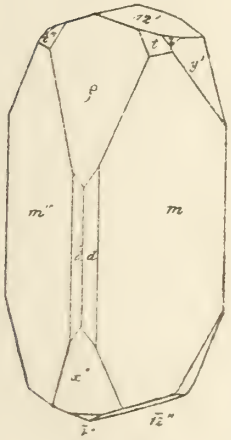

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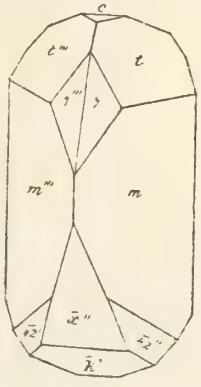

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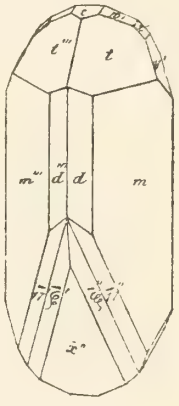

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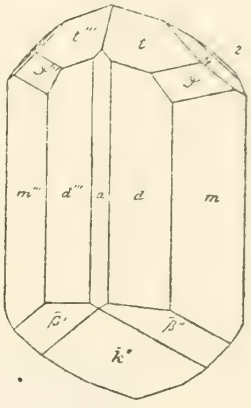

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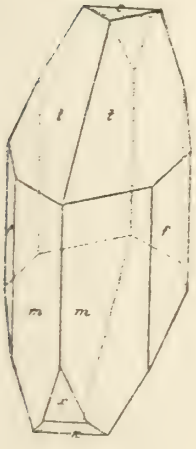

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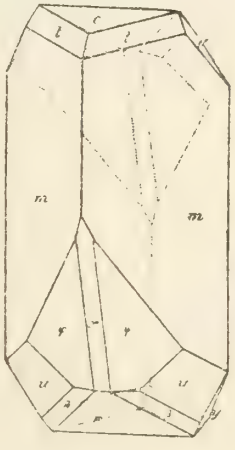

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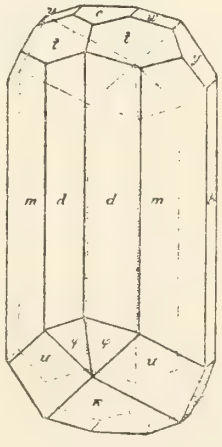

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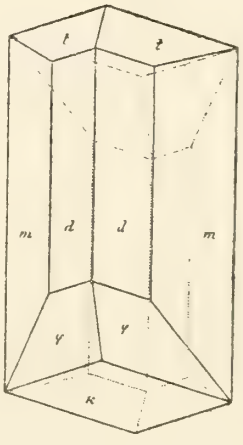

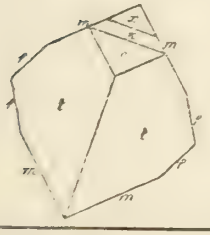

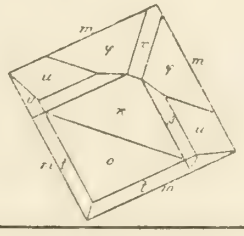

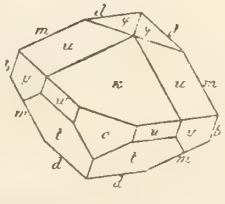

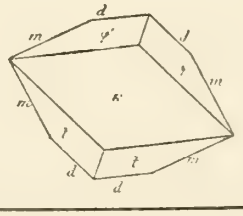

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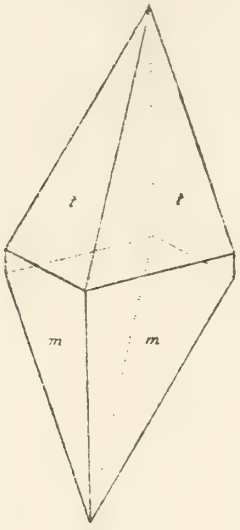

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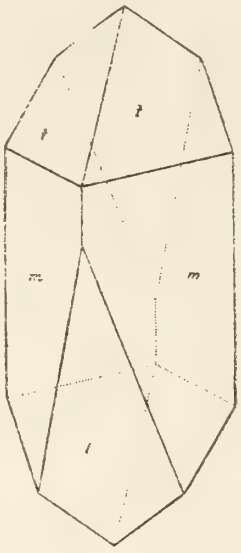

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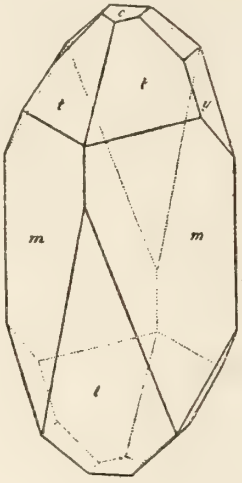

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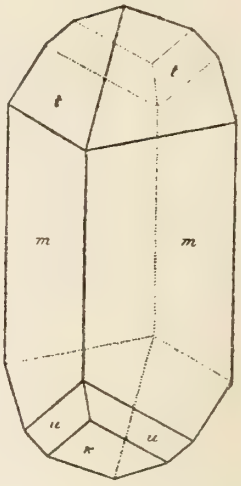

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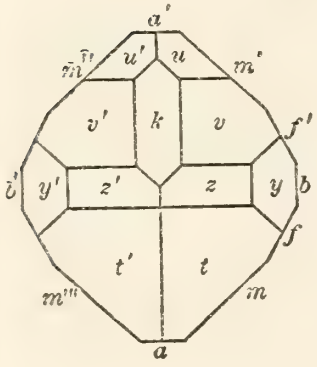

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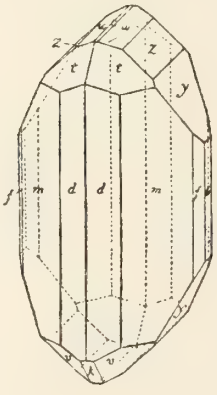

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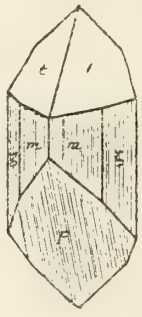

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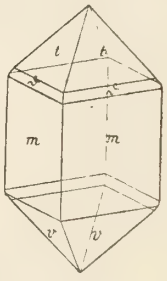

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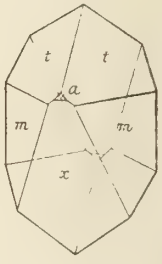

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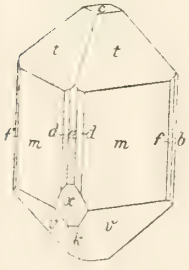

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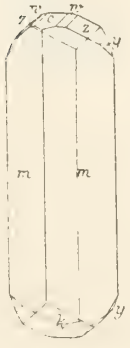

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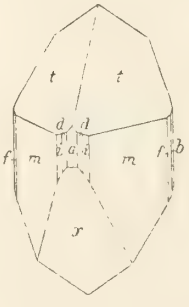

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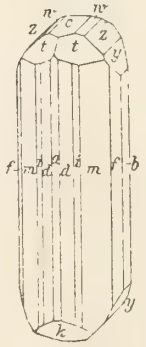

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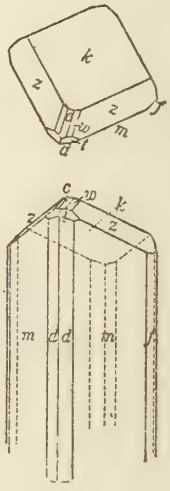
Fig. 148.



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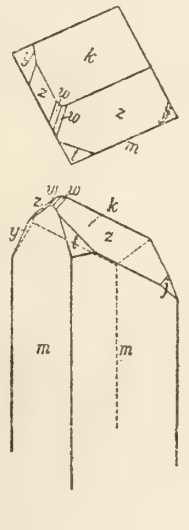
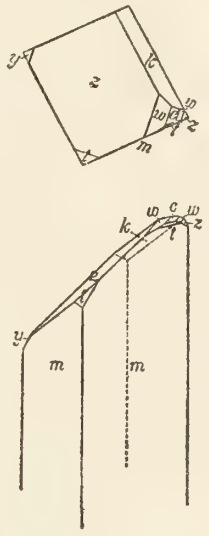


Fig. 150.



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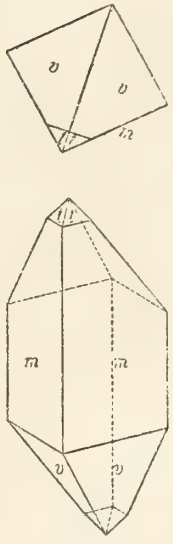

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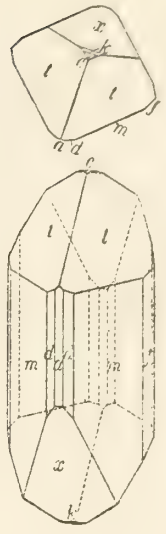

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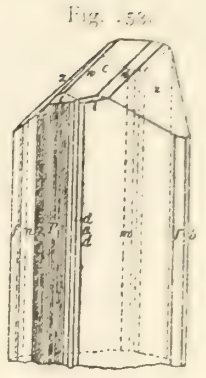

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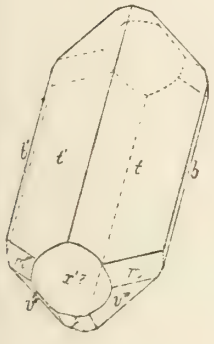

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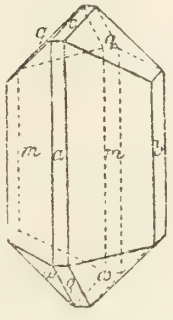

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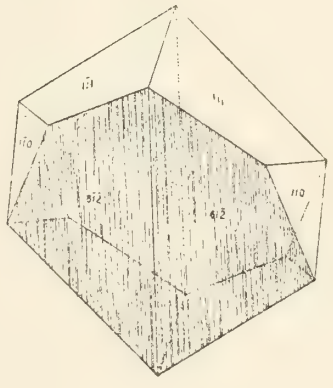

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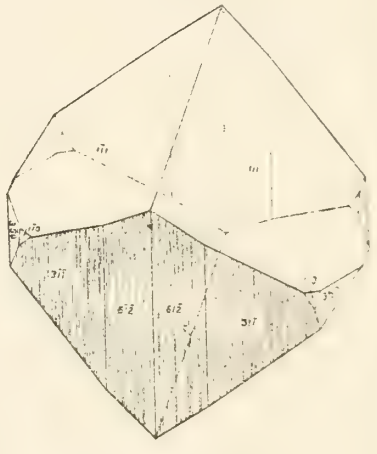

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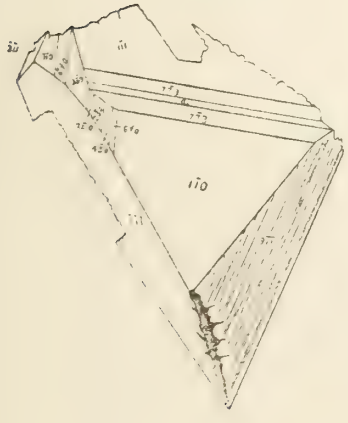

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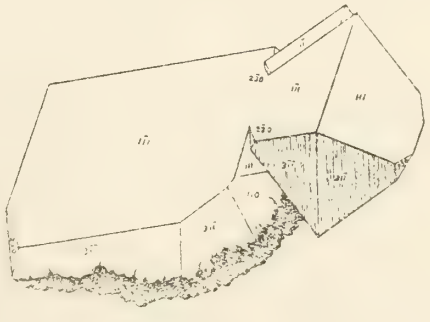

Rotgiltigerz Fig. 1.

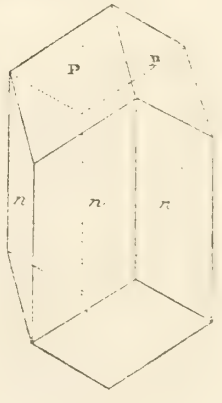

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Fig. 2.

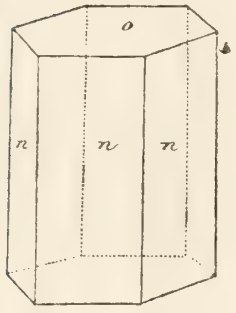


Fig. 3.

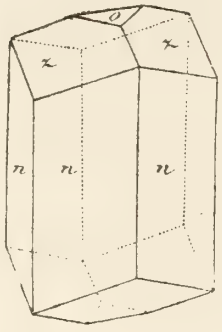


Fig. 4.

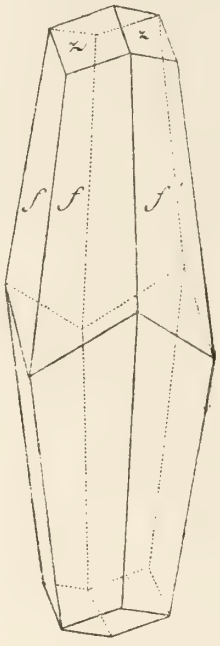
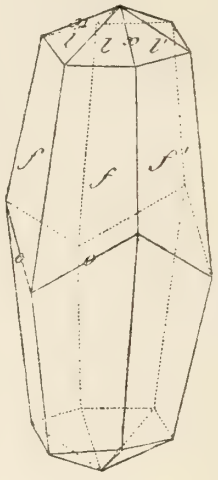


Fig. 5.



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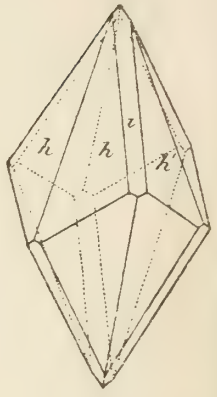

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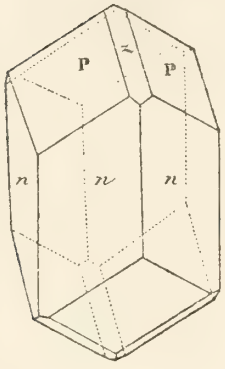

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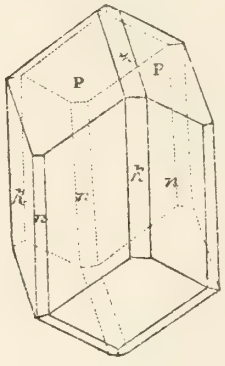

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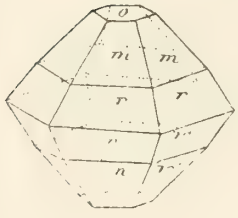

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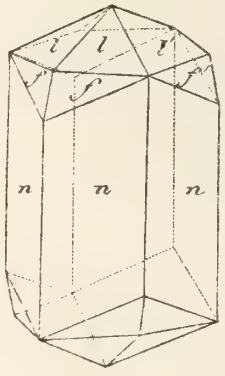

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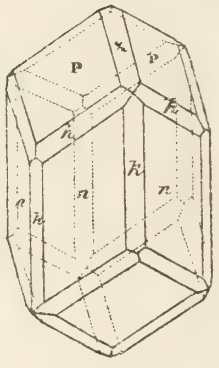

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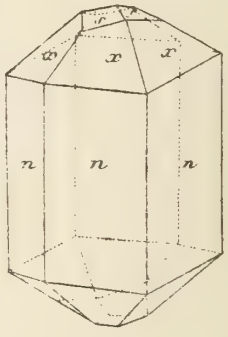

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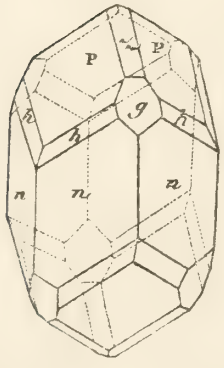

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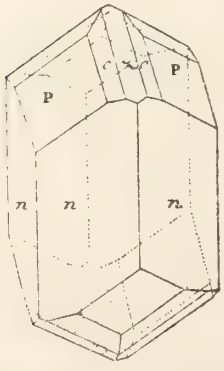

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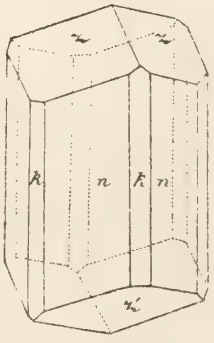

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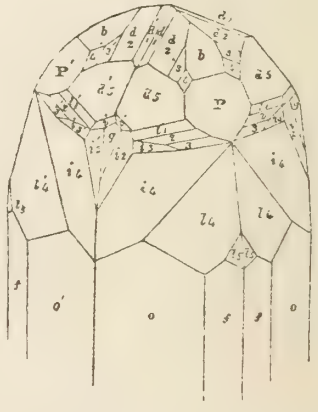

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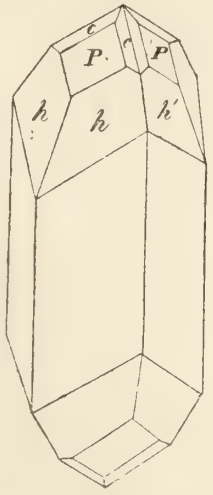
Fig. 17.



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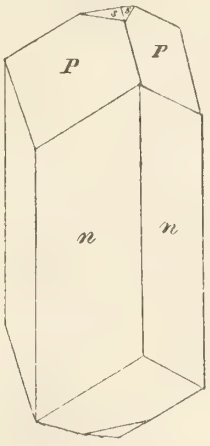

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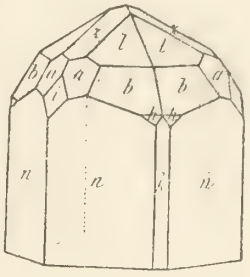

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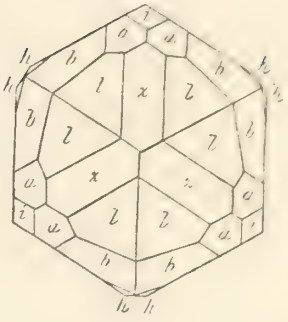

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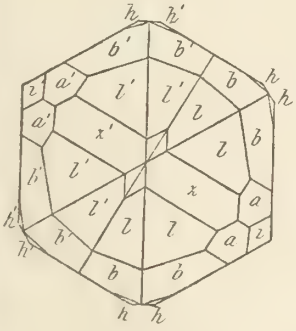

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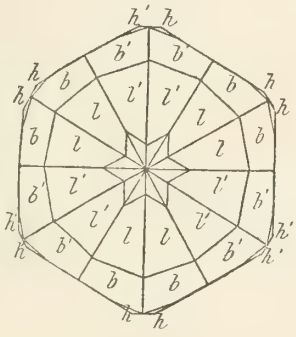

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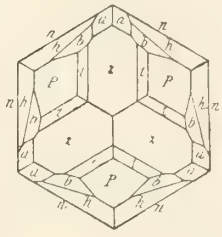

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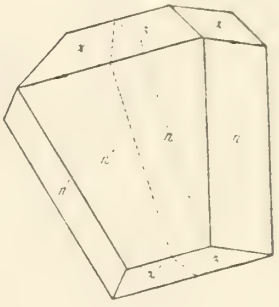

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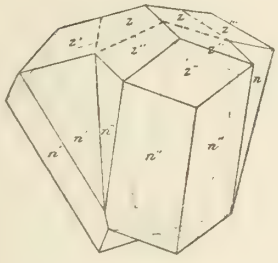

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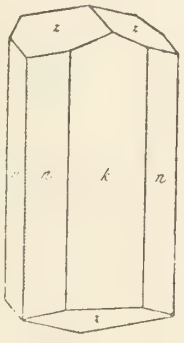

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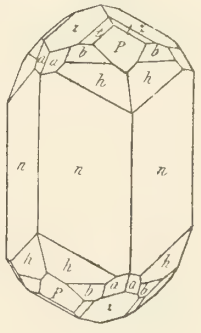

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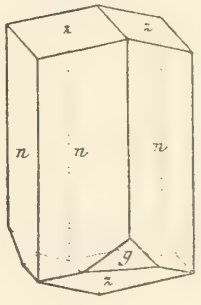

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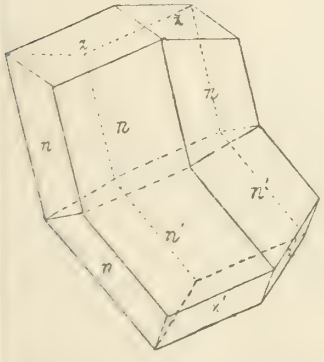

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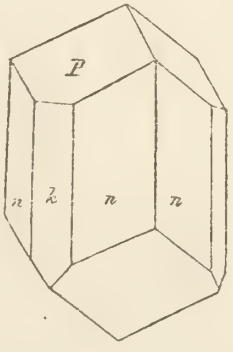

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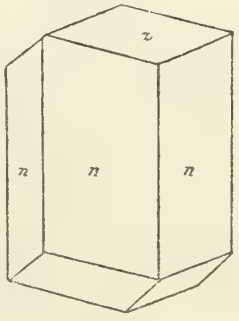

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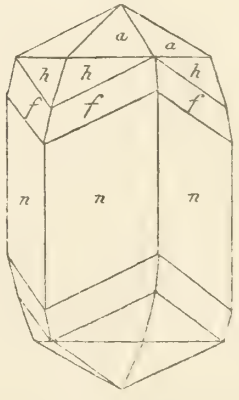

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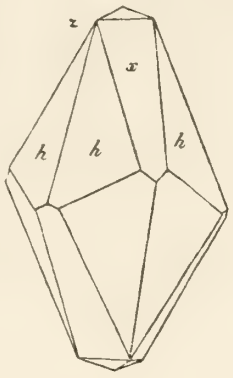
Fig. 33.



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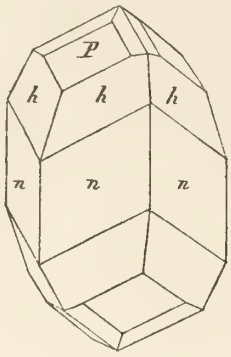

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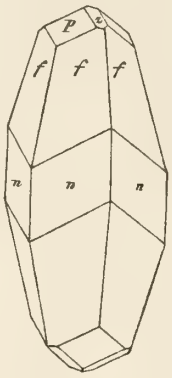

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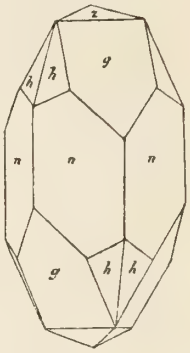

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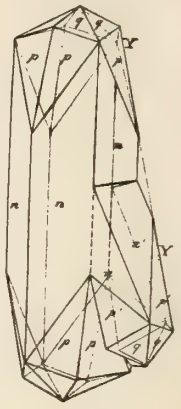

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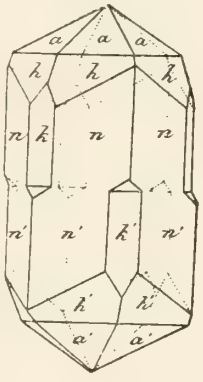

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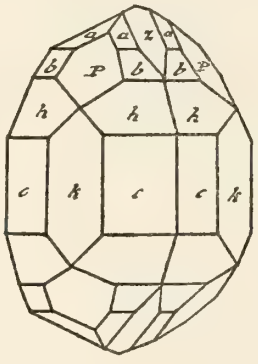

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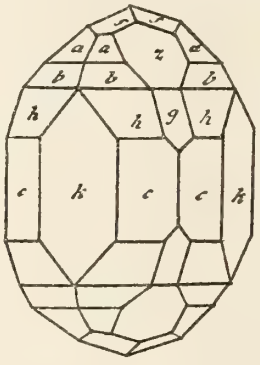

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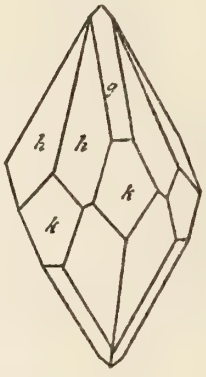

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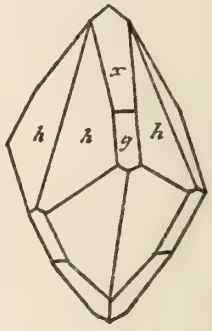

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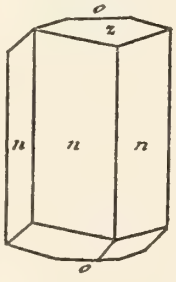

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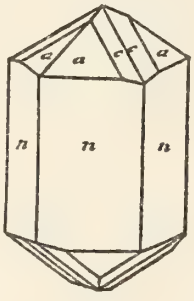
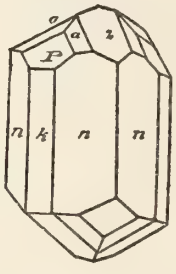


Fig. 45.



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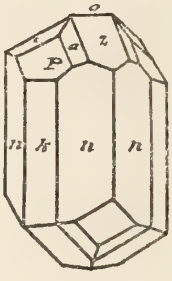

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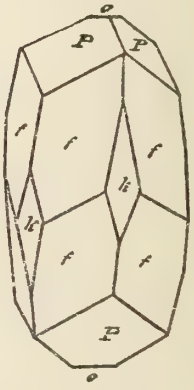

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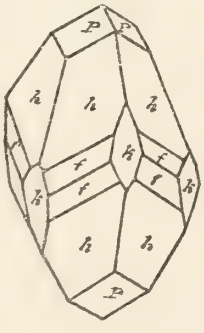

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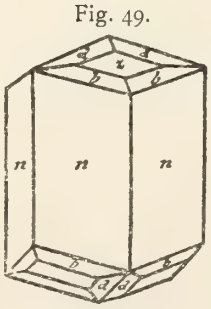

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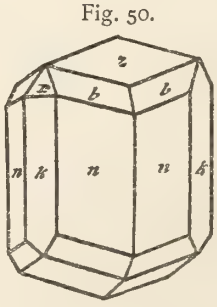

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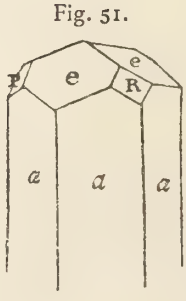

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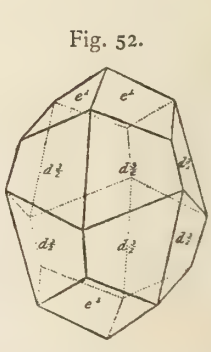

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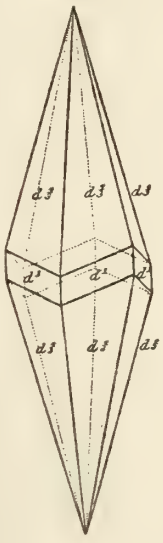

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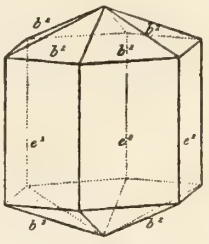

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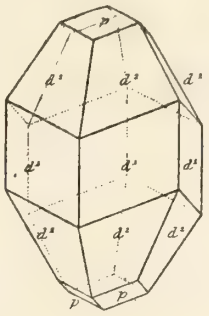

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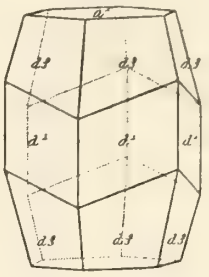

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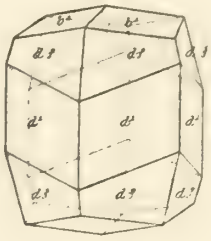

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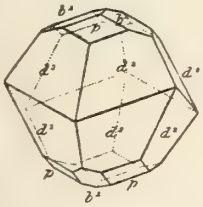

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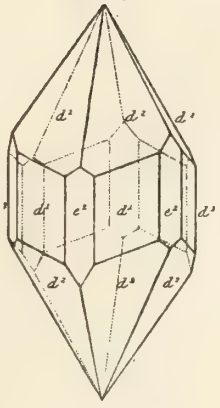

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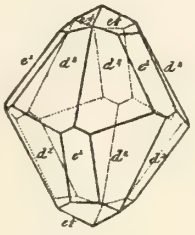

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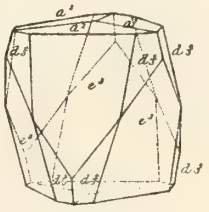

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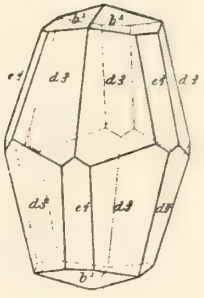

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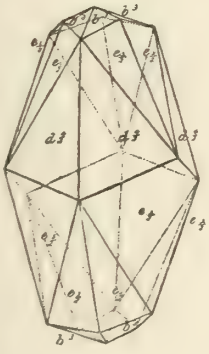

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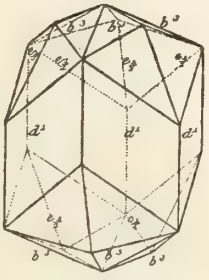

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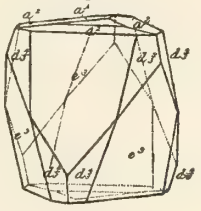

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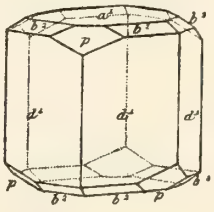

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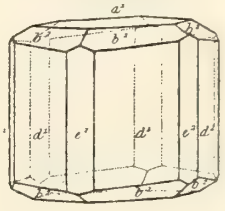

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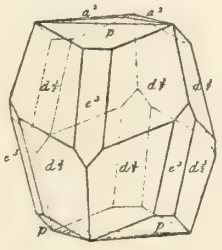

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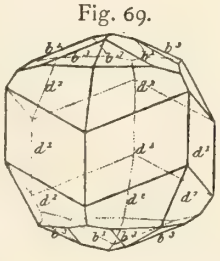

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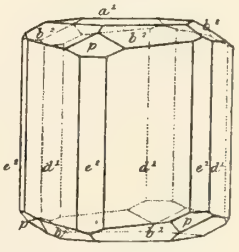

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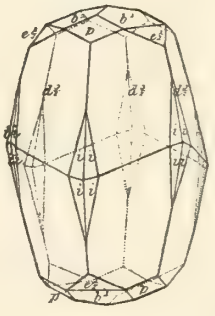

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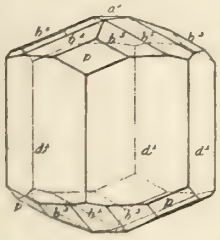

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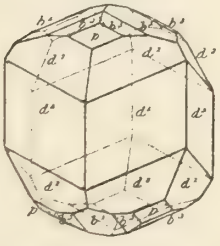

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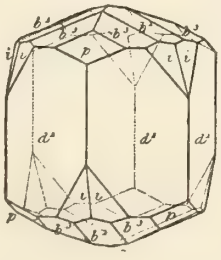

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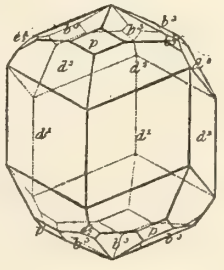

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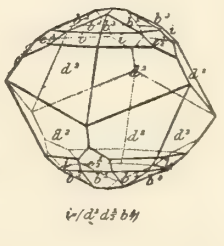

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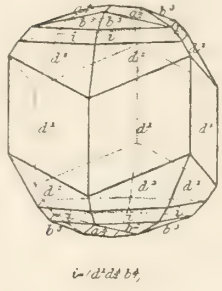

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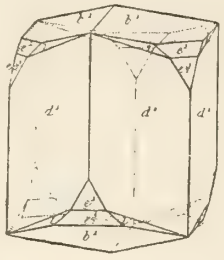

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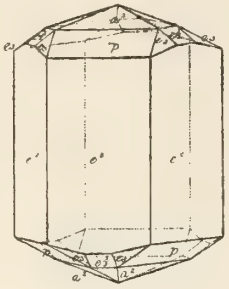

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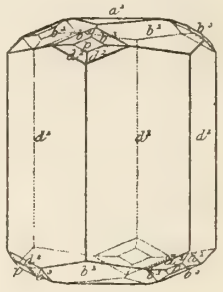

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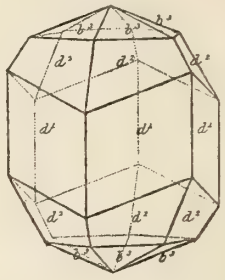

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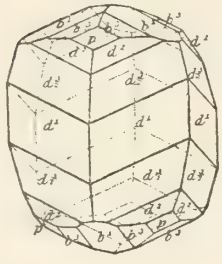

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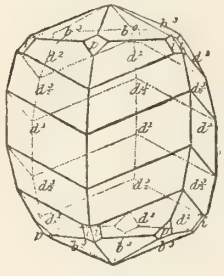

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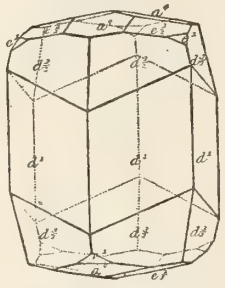

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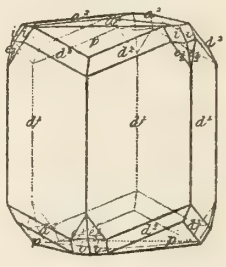

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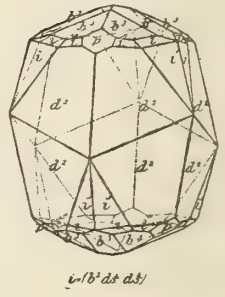

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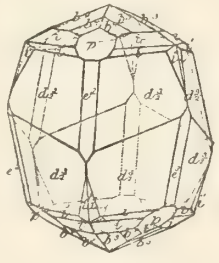

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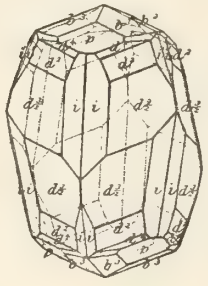

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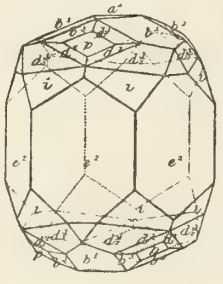

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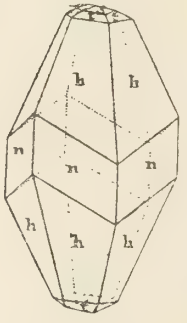

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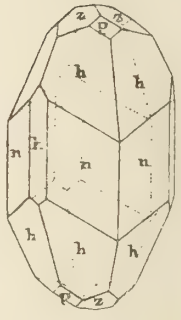

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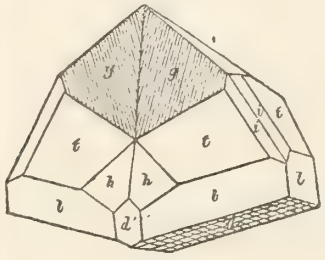

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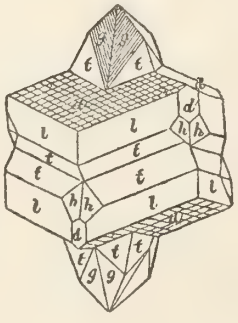

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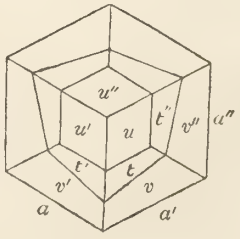

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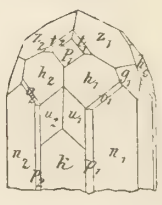

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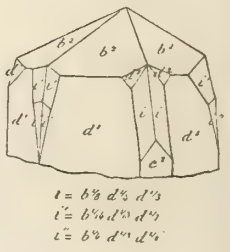

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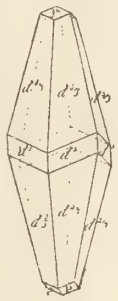

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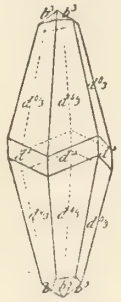
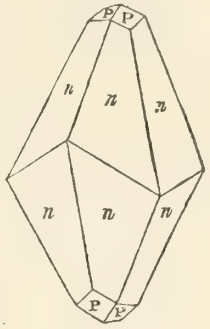


Fig. 99.



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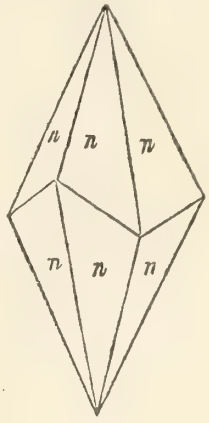

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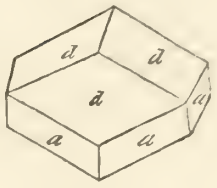

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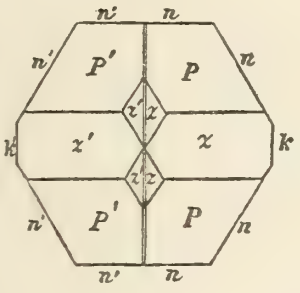

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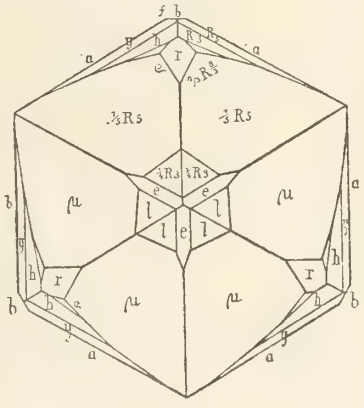

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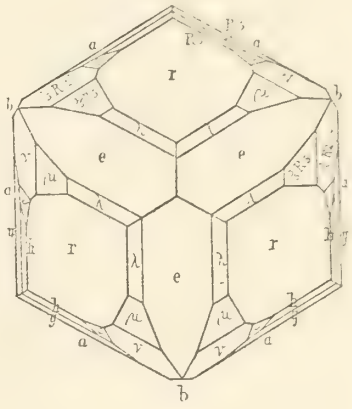

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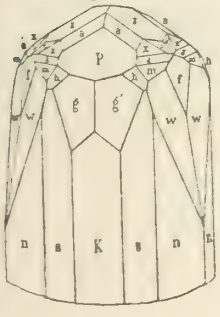

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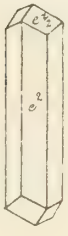

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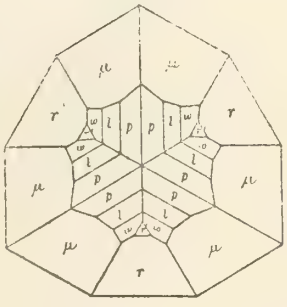

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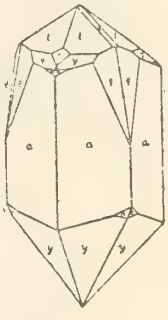

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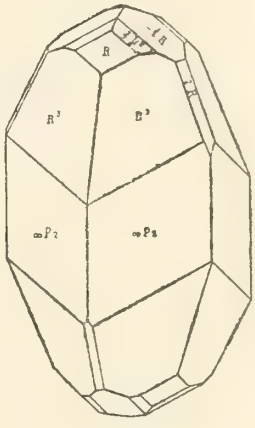

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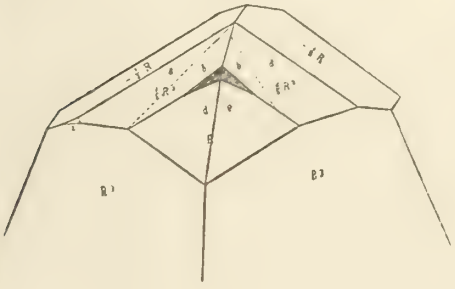

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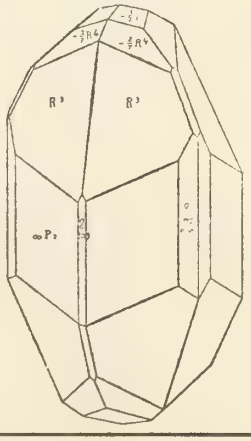

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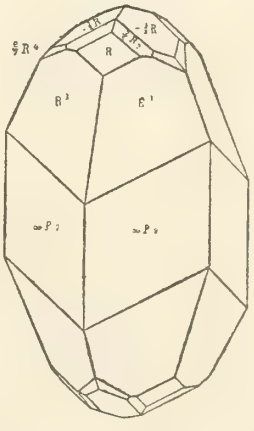

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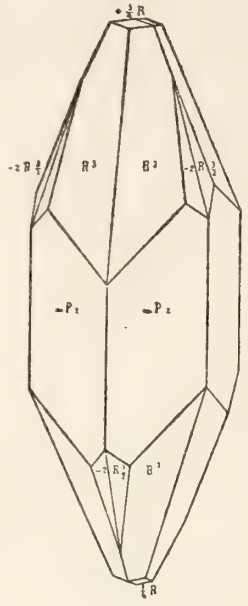

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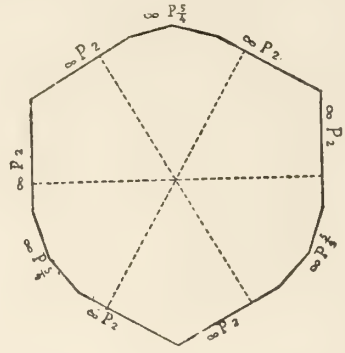

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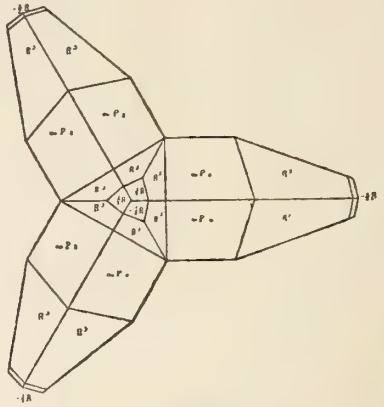

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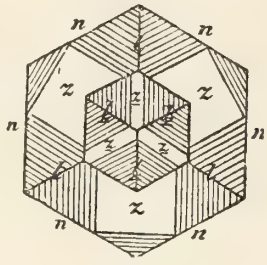

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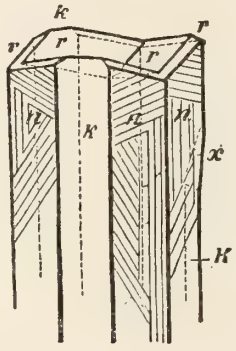

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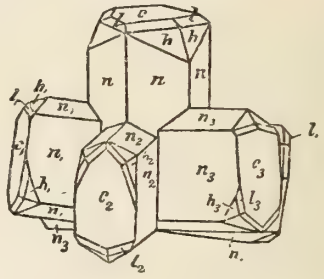

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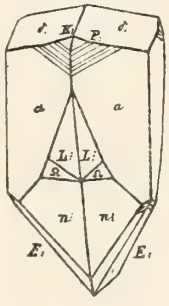

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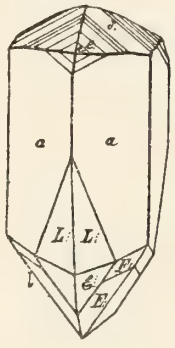

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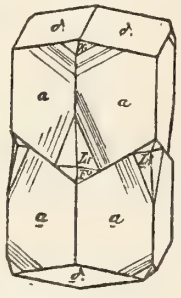

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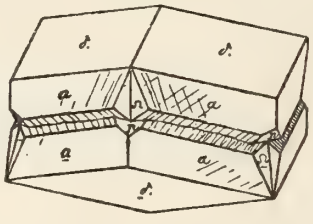

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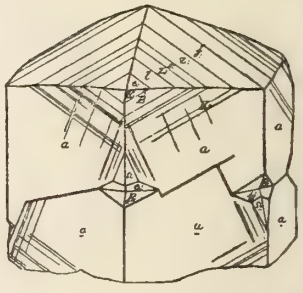

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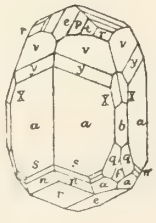

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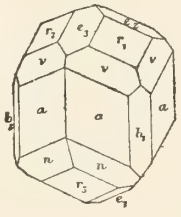

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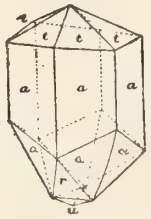

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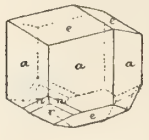

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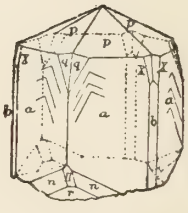

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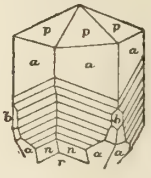

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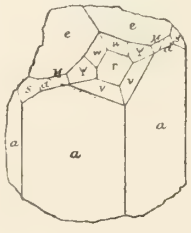

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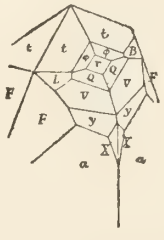

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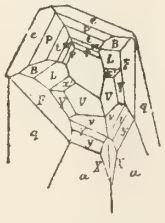

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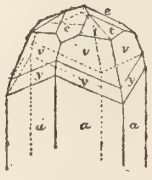

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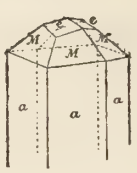

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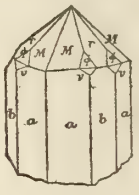

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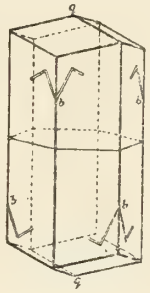

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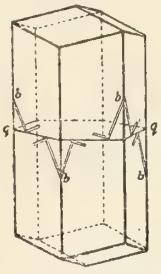

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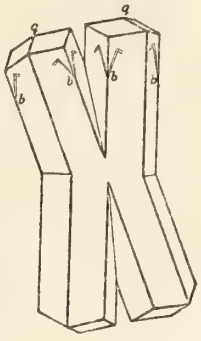

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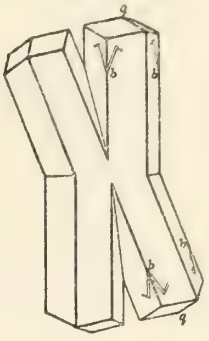

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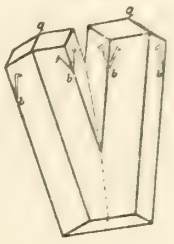

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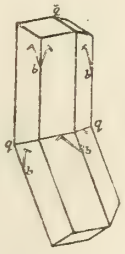

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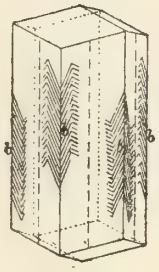

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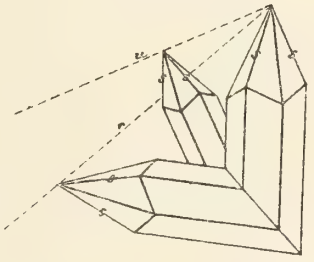

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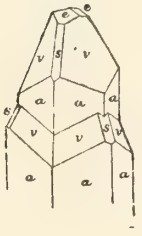

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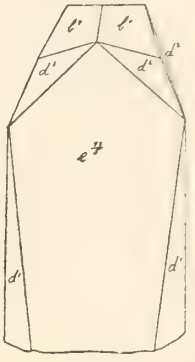

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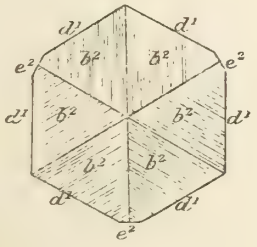

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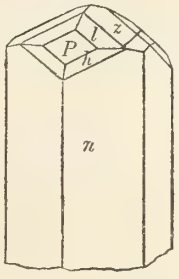

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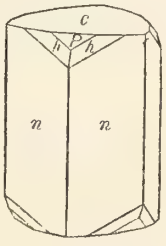

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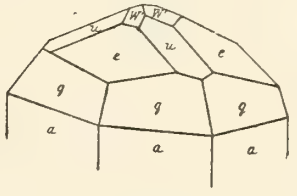

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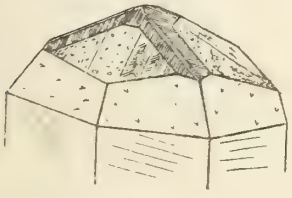

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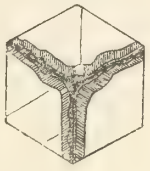

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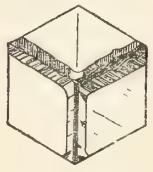
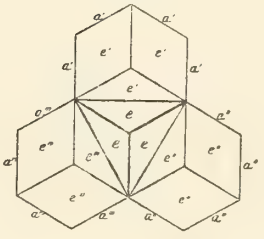


Fig. 154.



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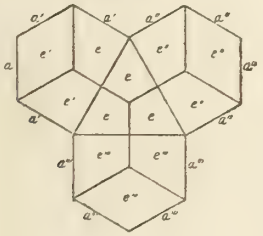

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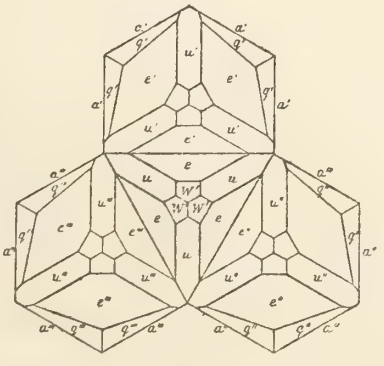

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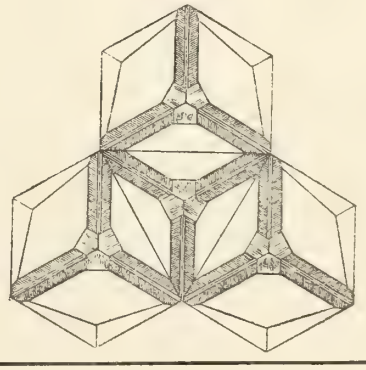

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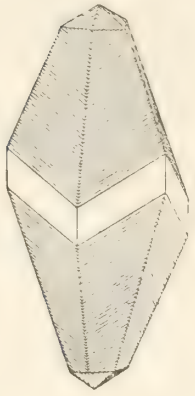

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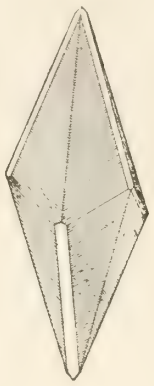

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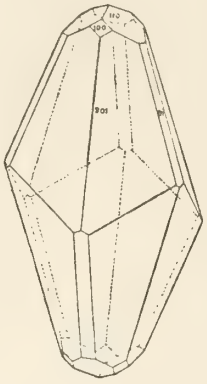

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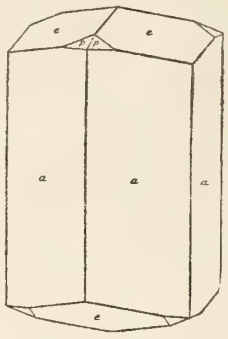

Fig. 162.

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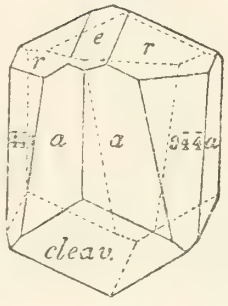

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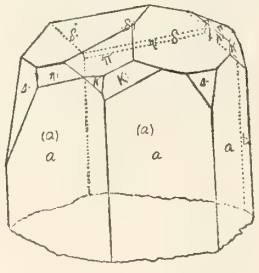

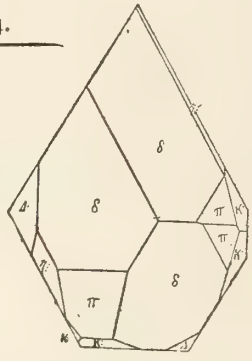

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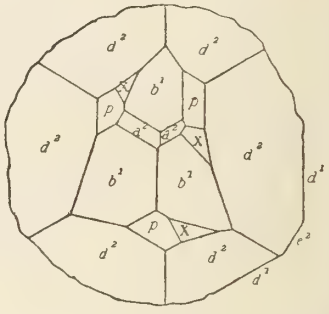

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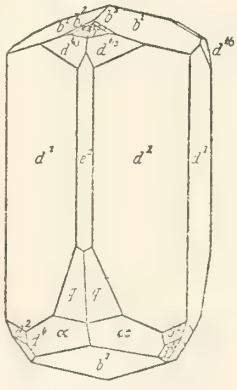

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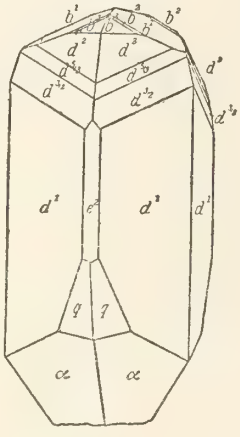

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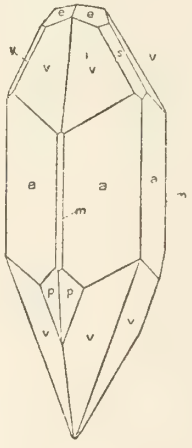

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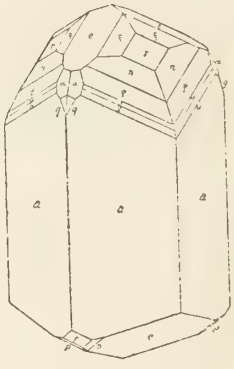

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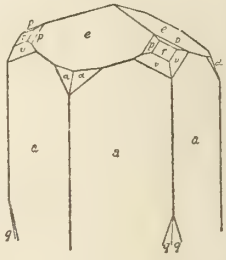

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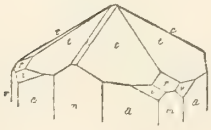

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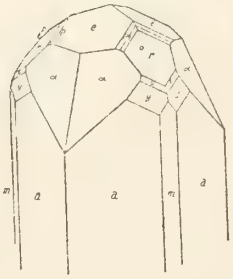

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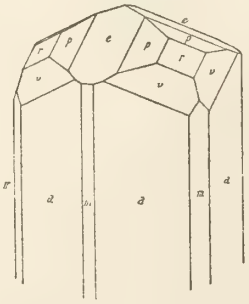

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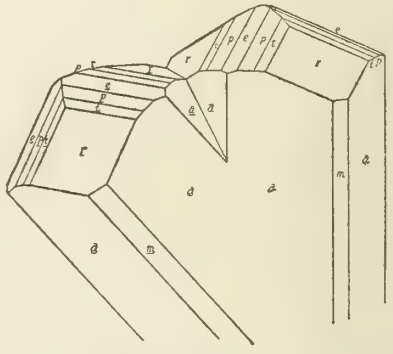

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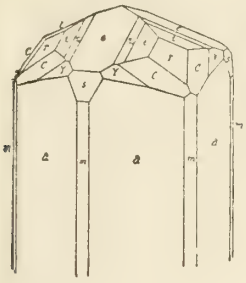

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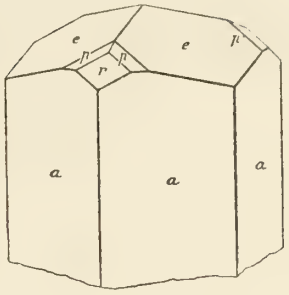

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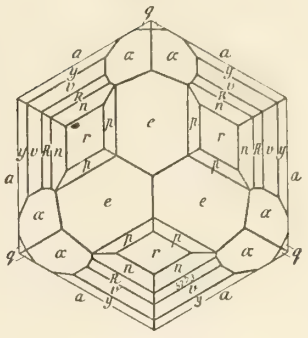

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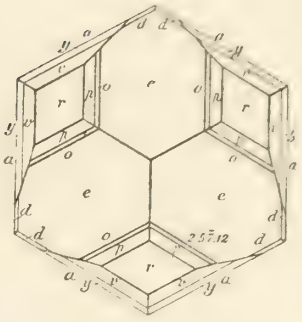

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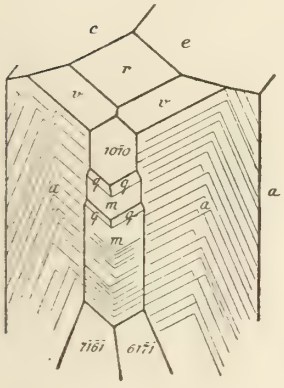

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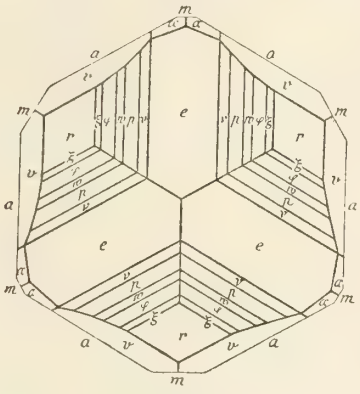

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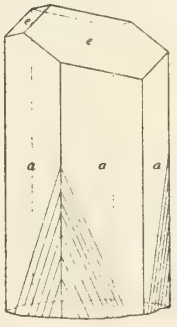

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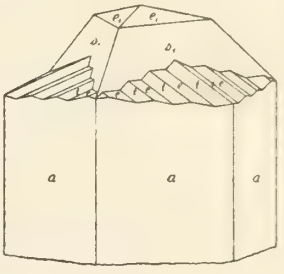

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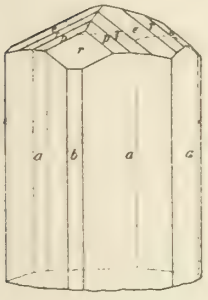

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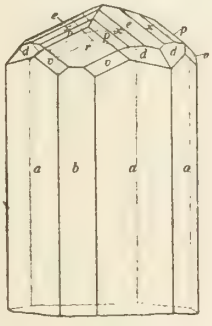

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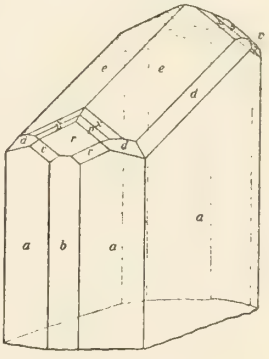

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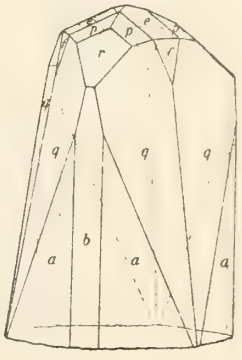

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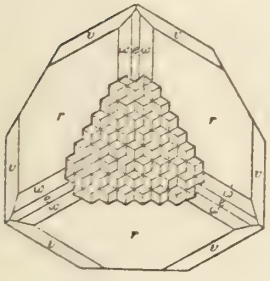

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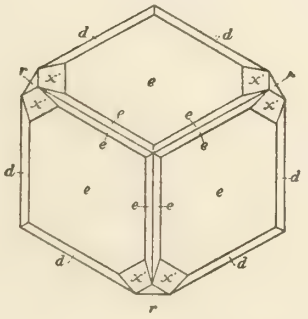

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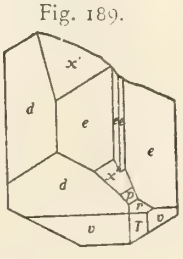

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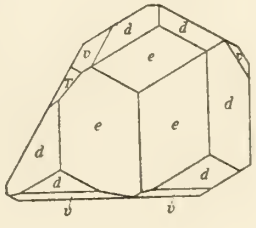

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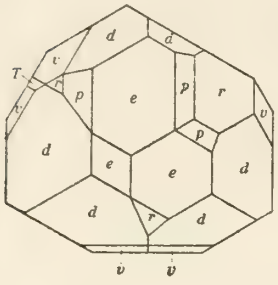

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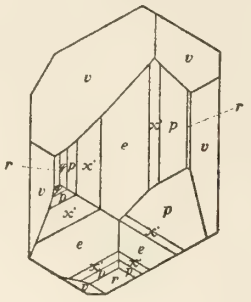

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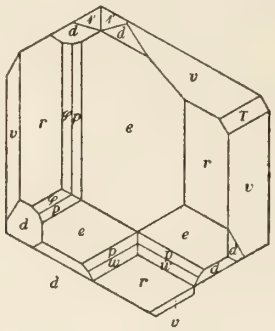

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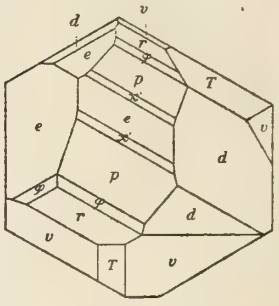

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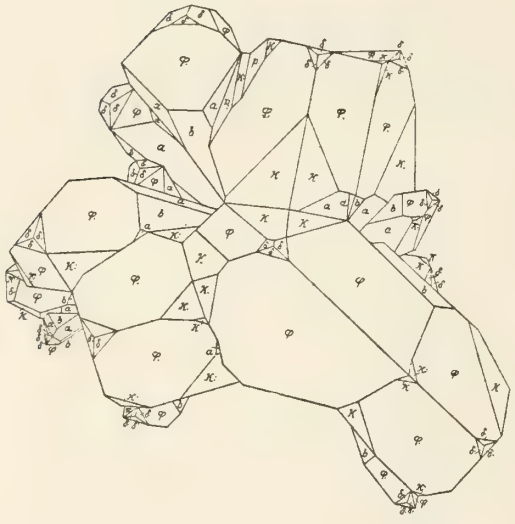

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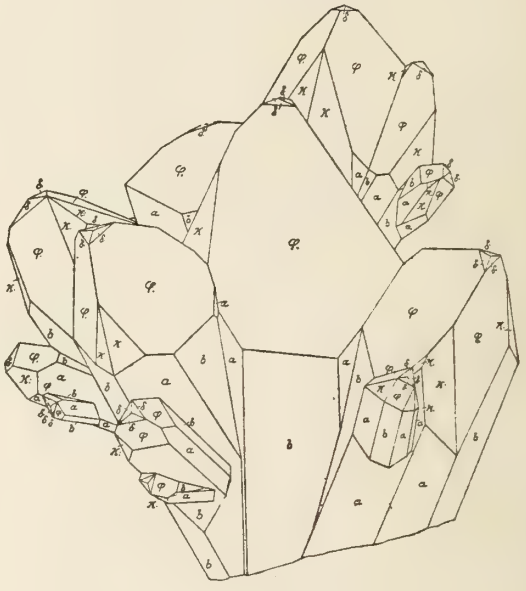

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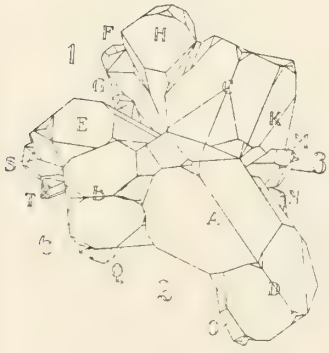

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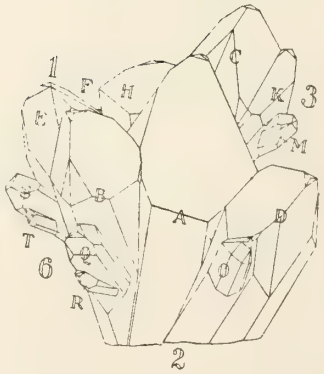

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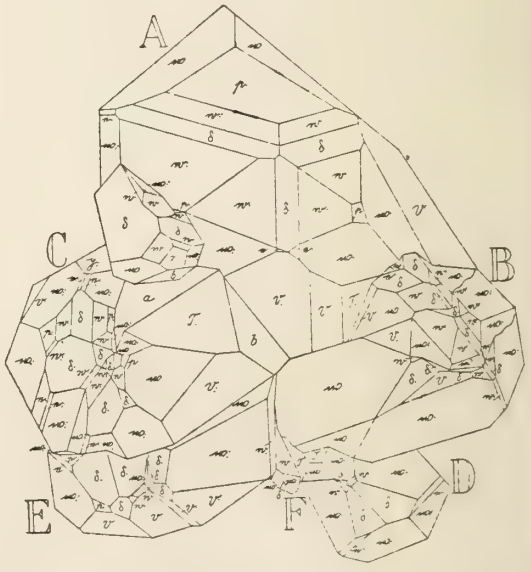

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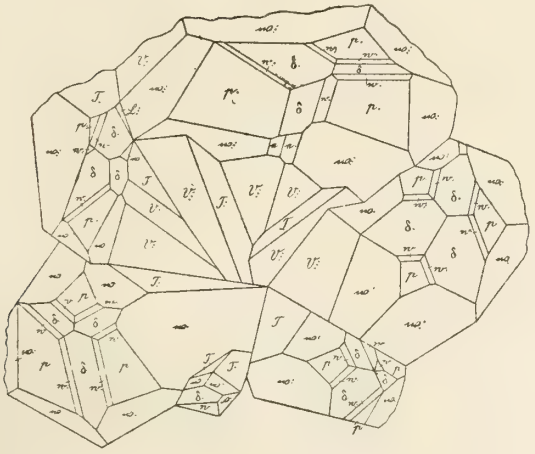

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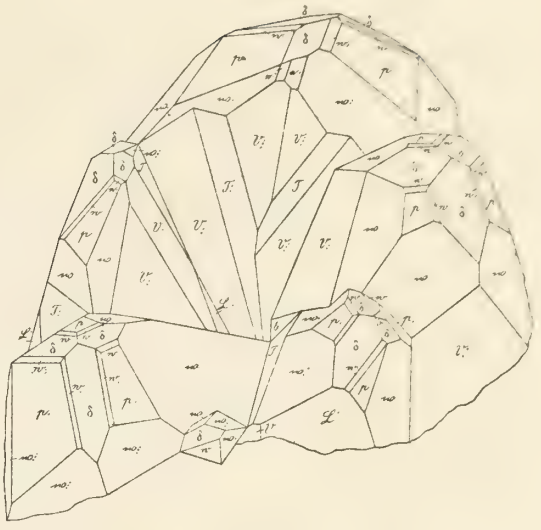

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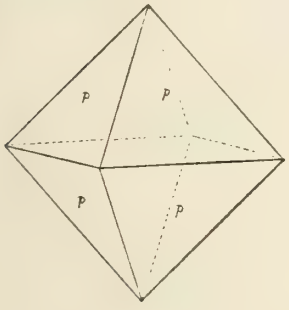
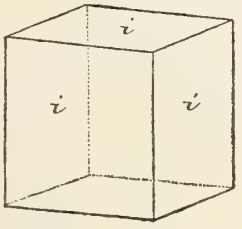


Fig. 2.



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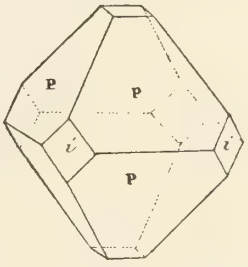

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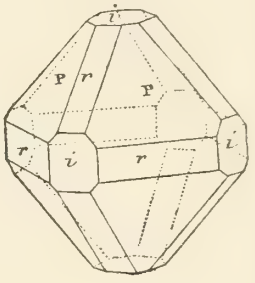

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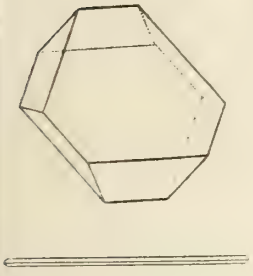

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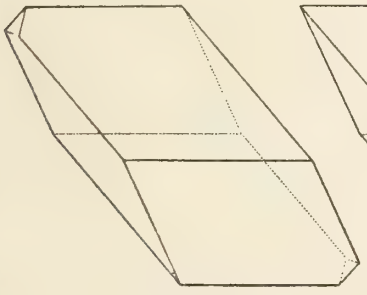
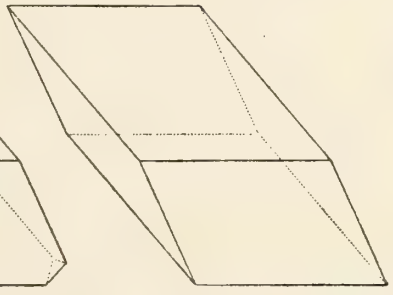


Fig. 7.



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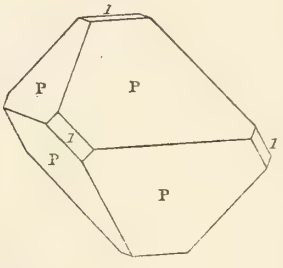

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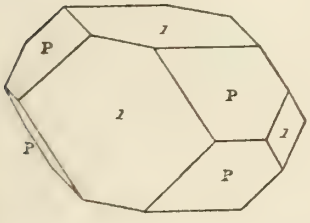

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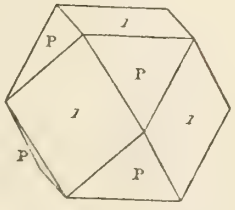

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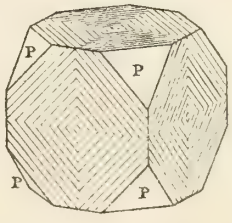

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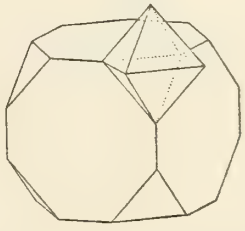

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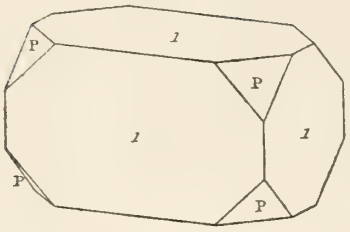

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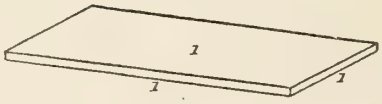

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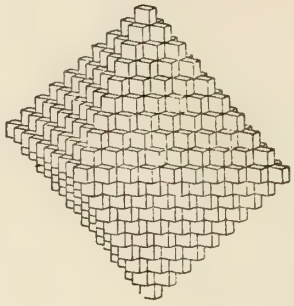

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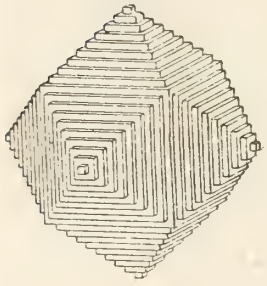

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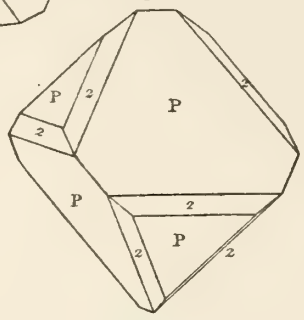

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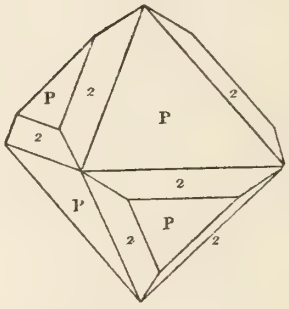

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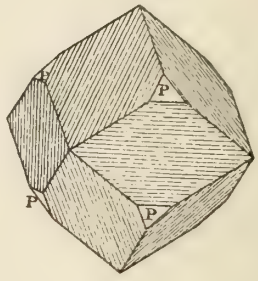

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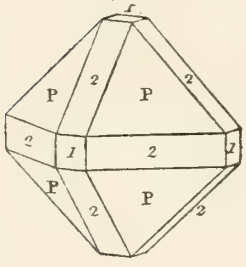

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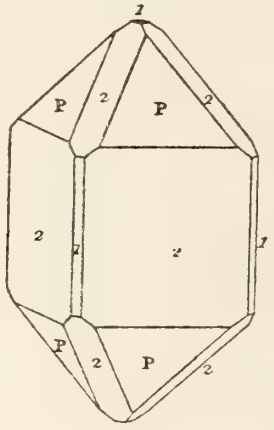

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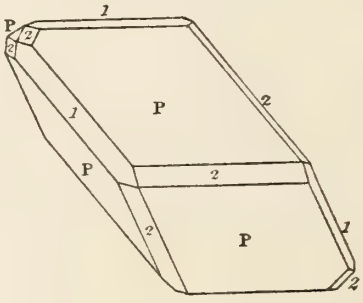

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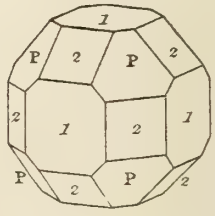

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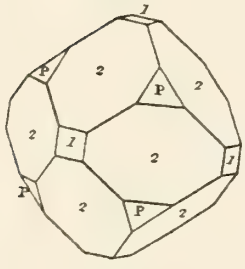

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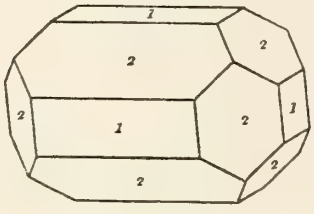

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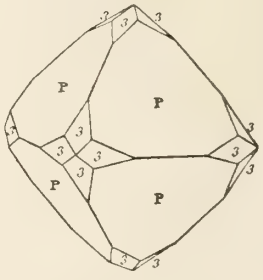

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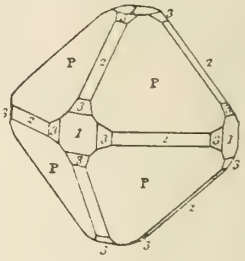

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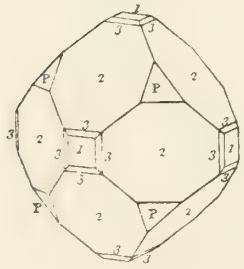

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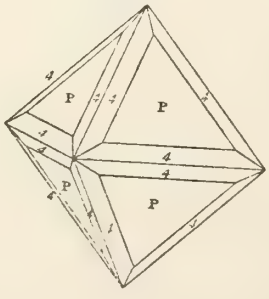

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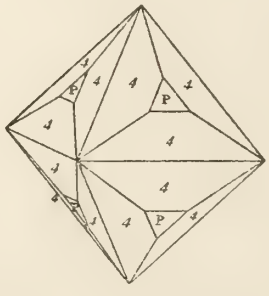

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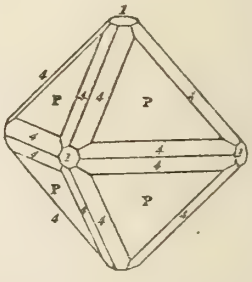

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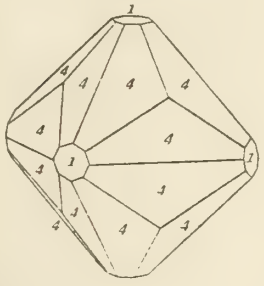

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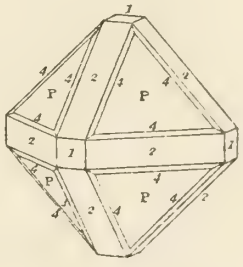

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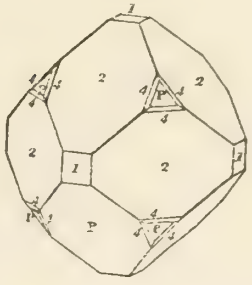

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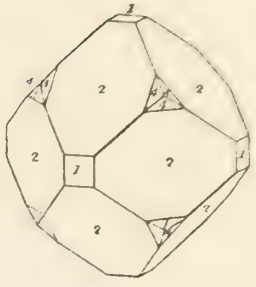

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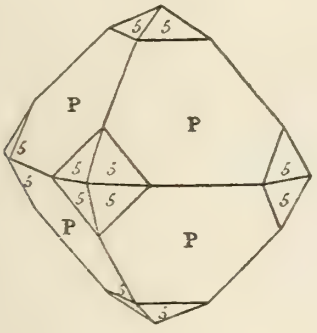

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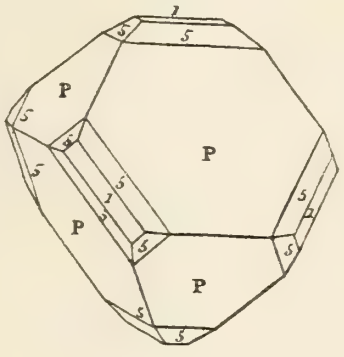

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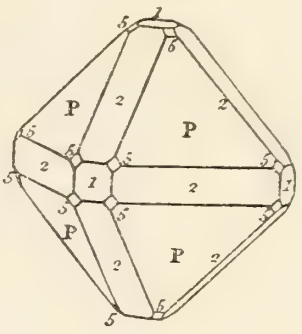

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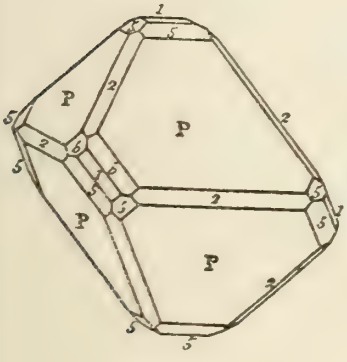

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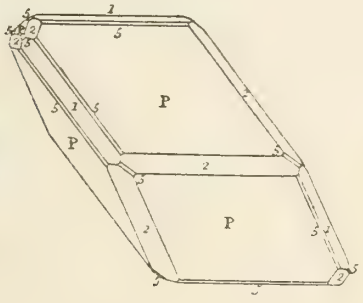

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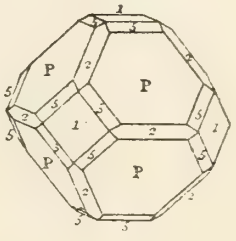

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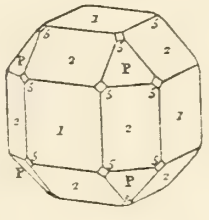

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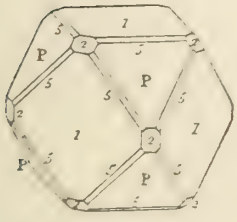

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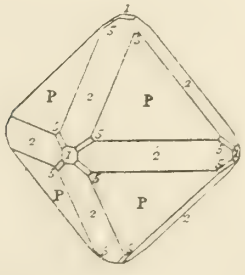

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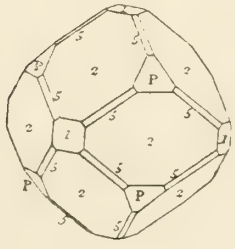

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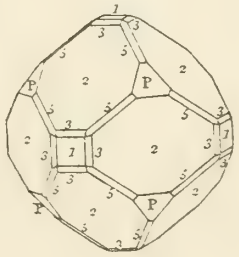

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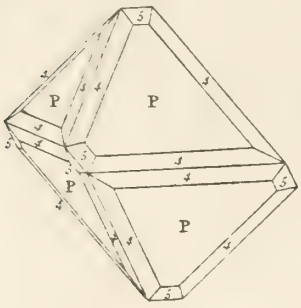

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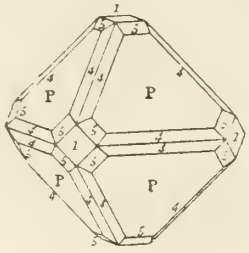

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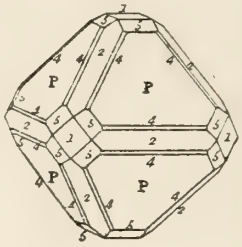

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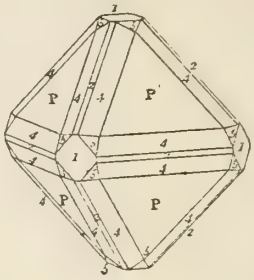

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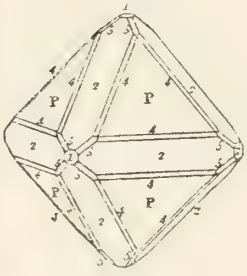

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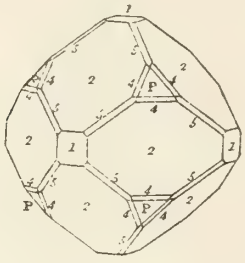

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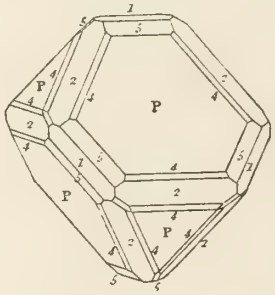

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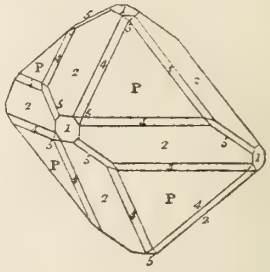

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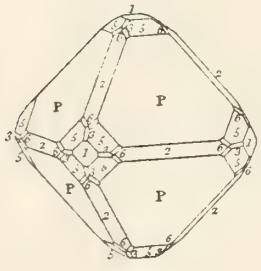

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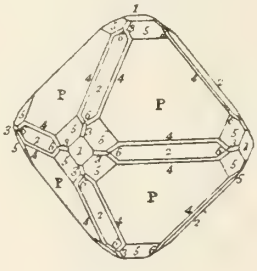

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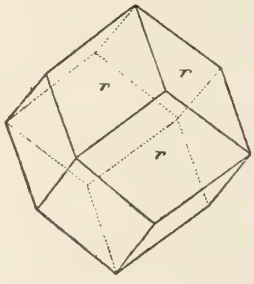

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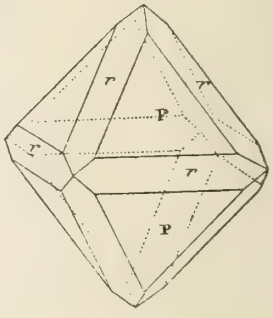

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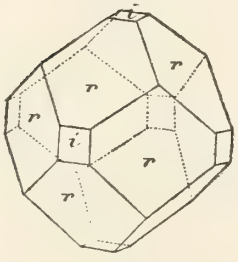

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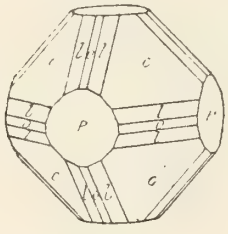
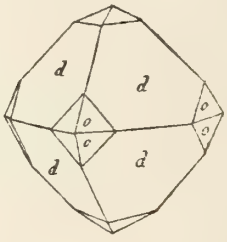


Fig. 61.



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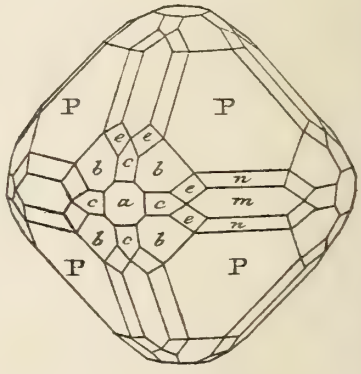

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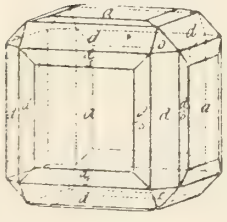

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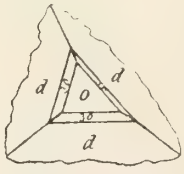

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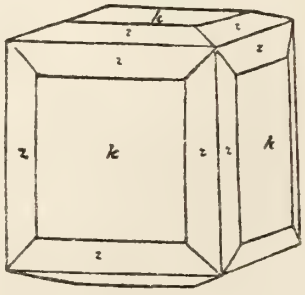

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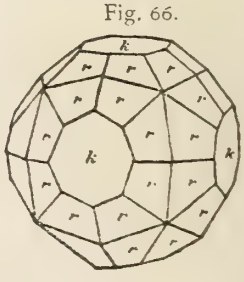

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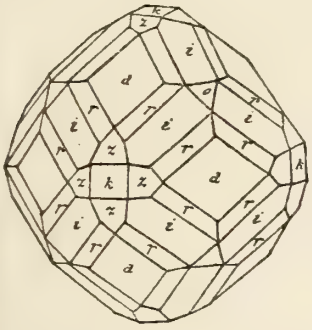

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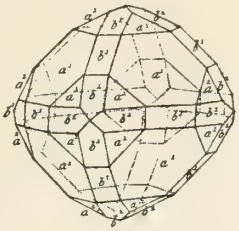

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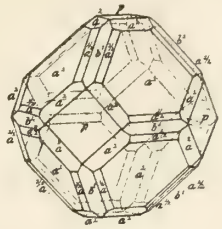

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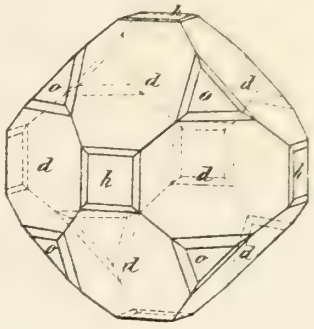

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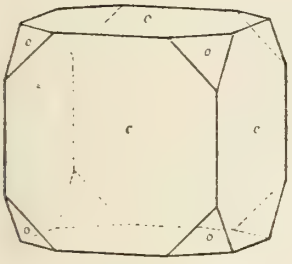

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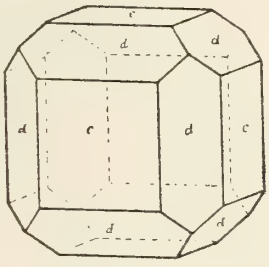

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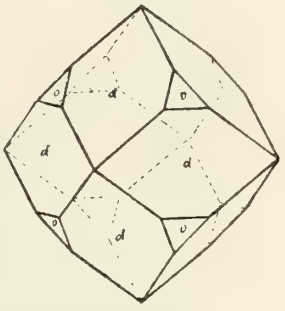

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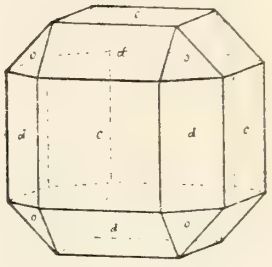

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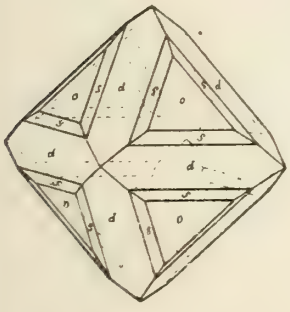

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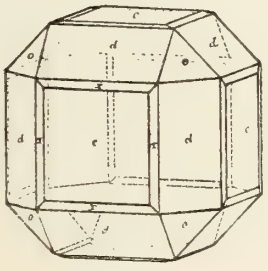

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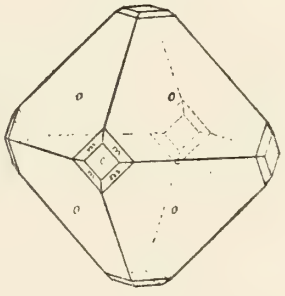

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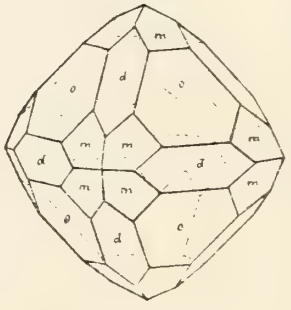

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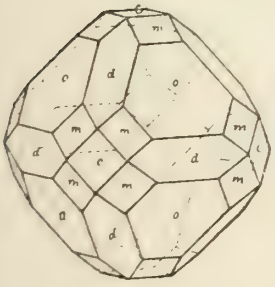

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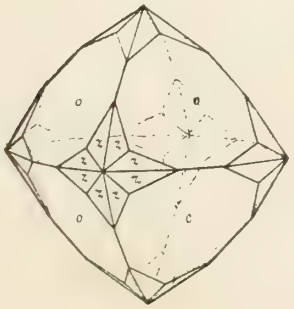

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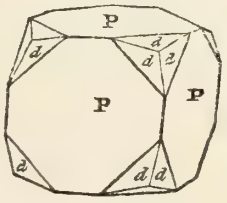

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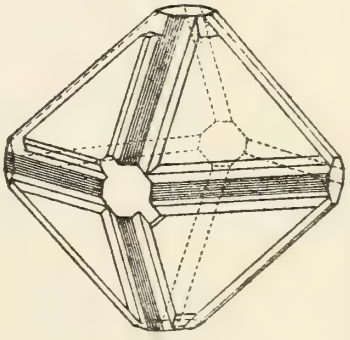

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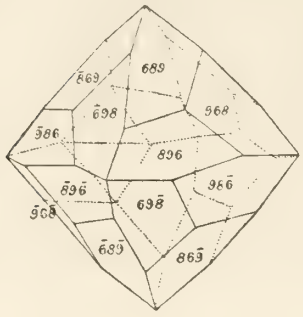

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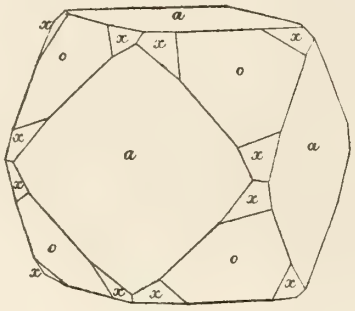

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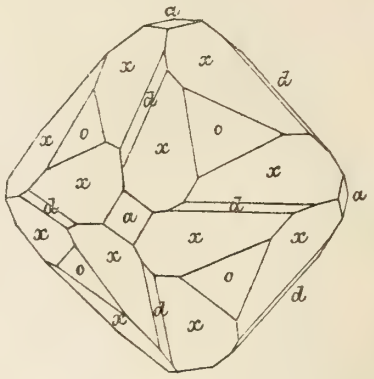

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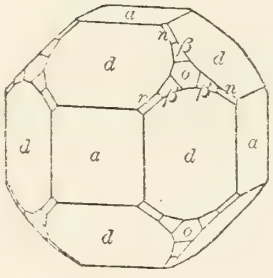

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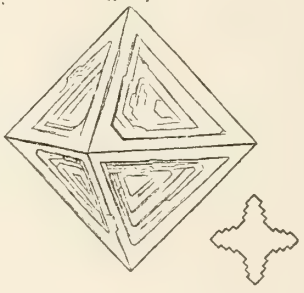

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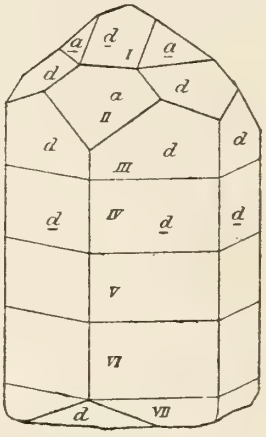

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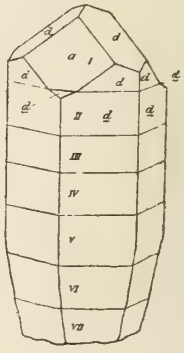

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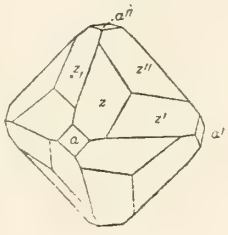

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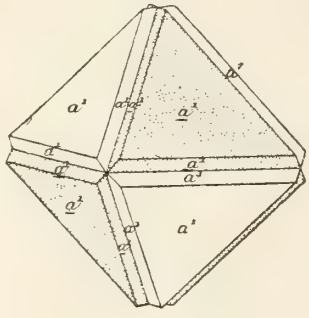

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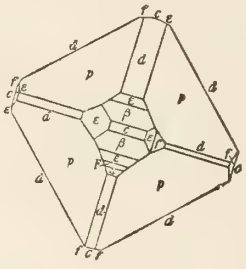

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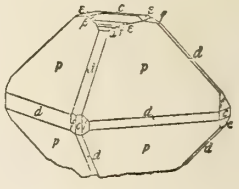

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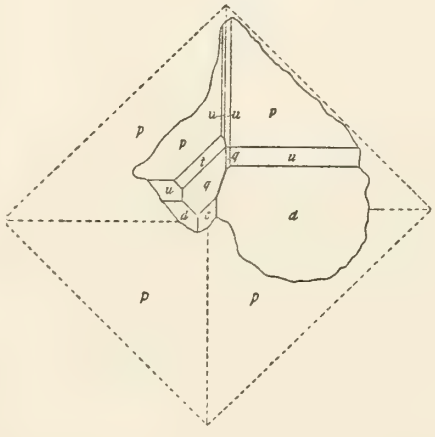

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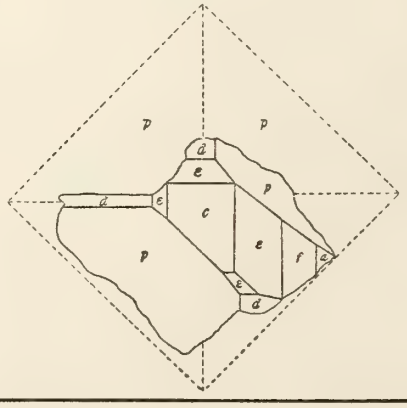

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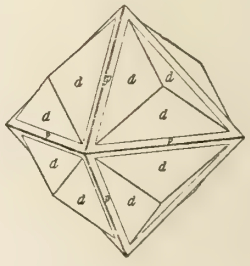

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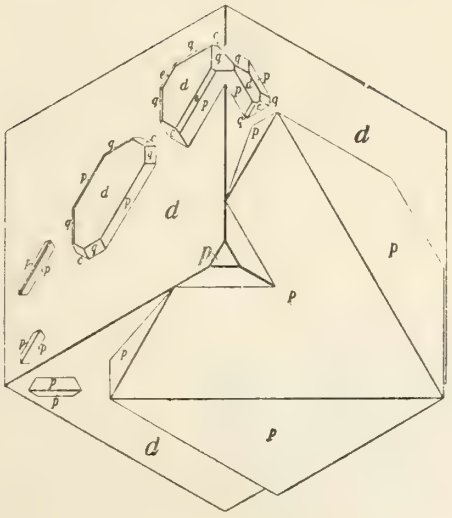

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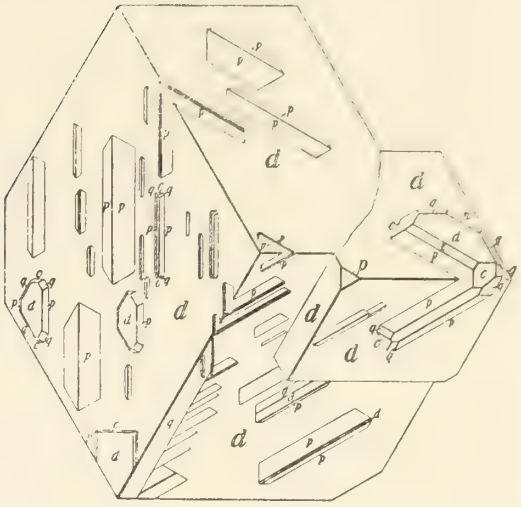

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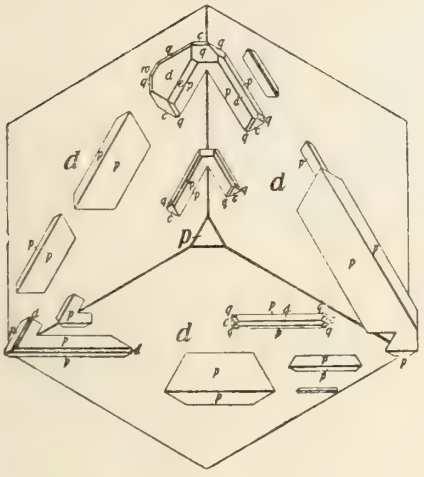

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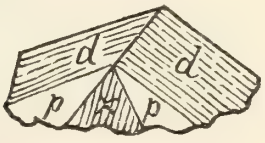
Fig. 1.



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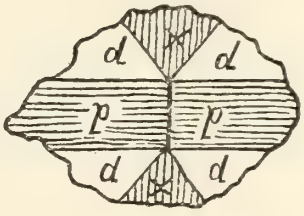

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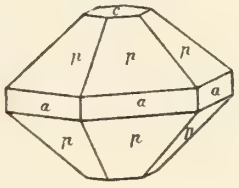

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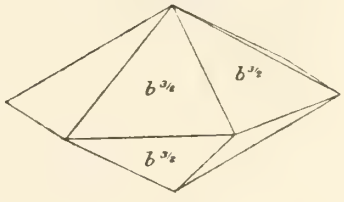

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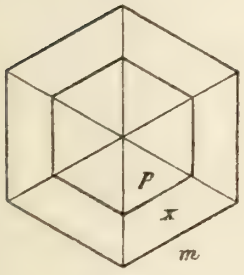

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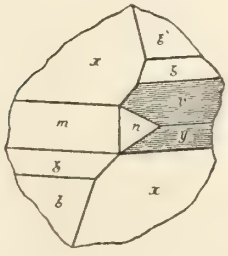

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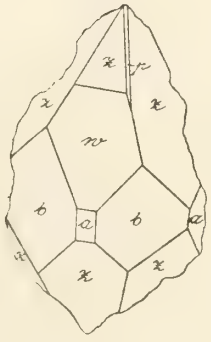

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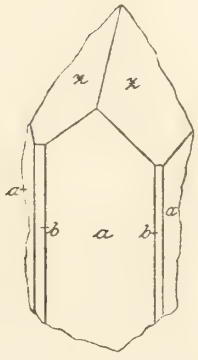

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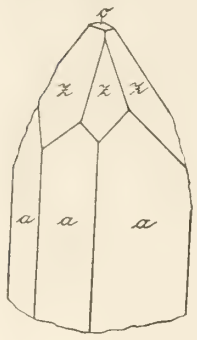

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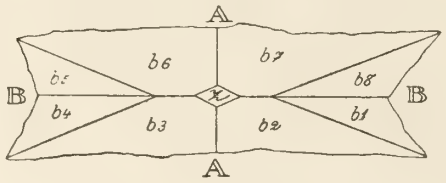

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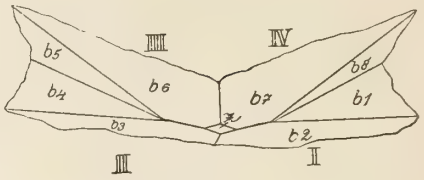

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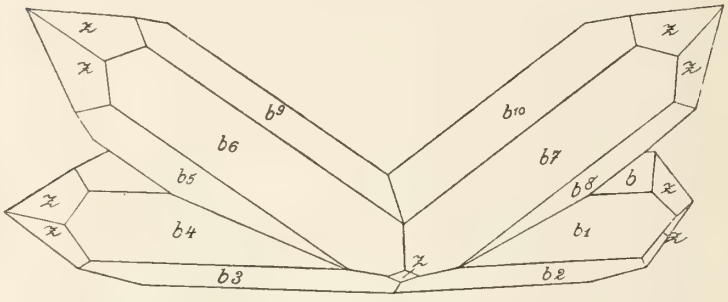

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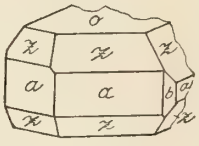

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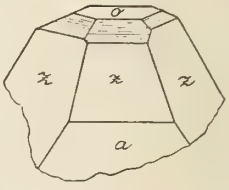

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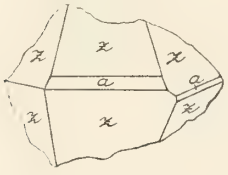
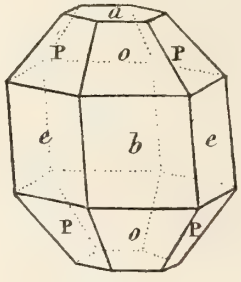


Rotzinkerz Fig. 1.



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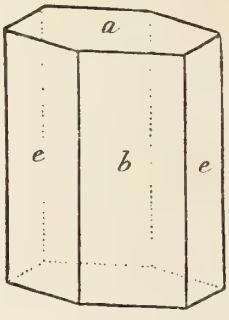

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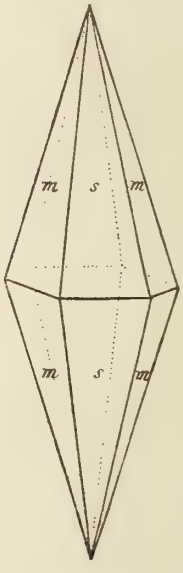

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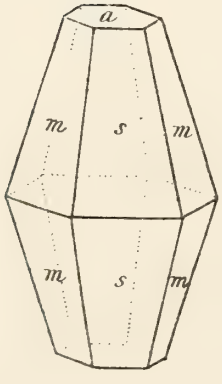

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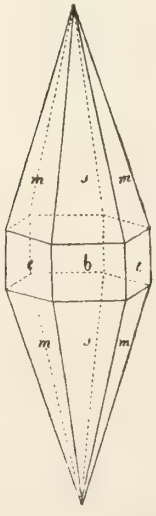

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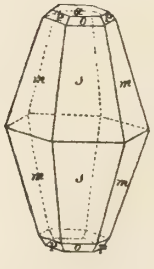

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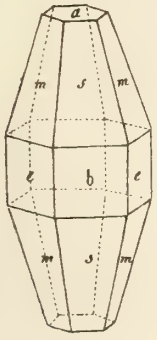

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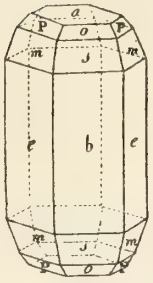

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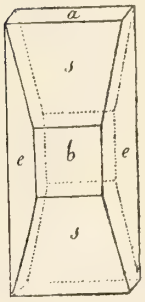

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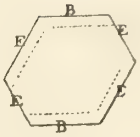

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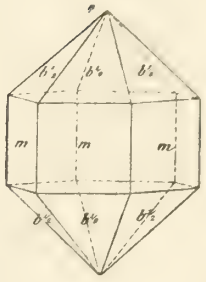

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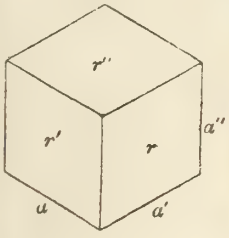

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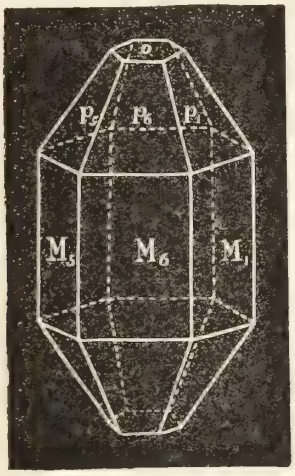

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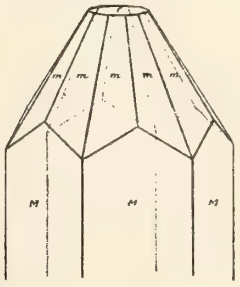

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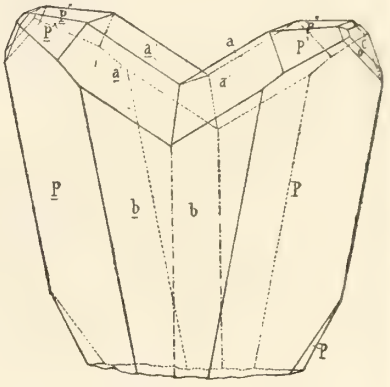

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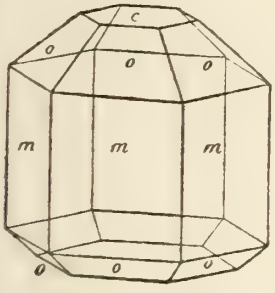

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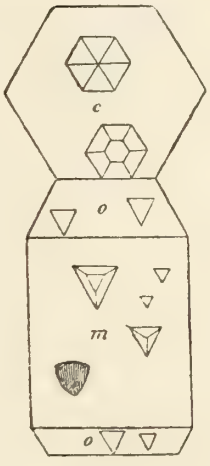

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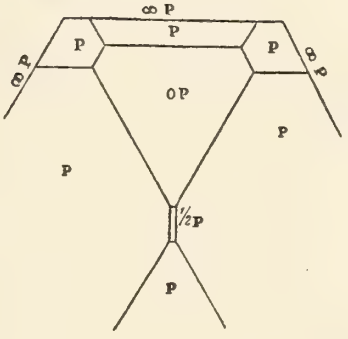

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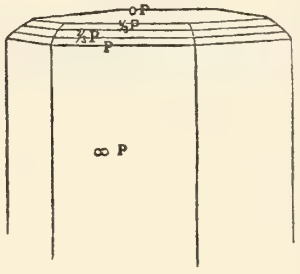

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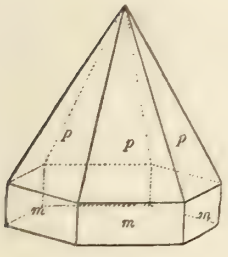

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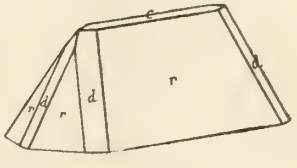

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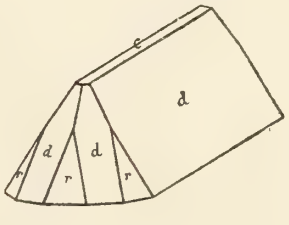

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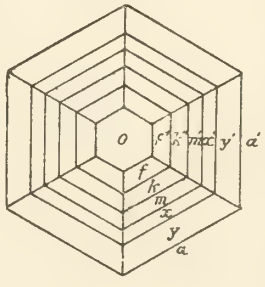

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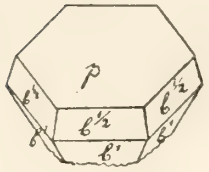

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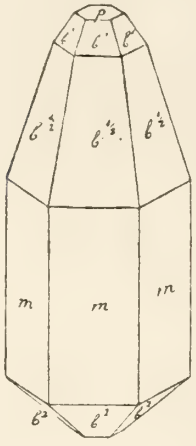

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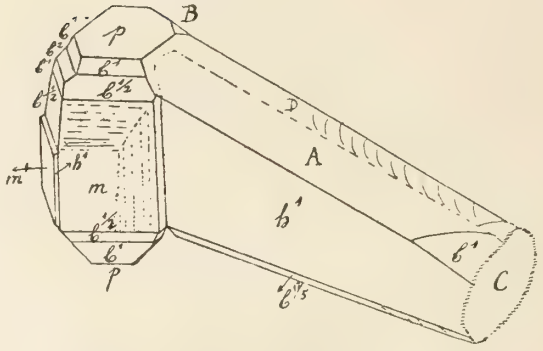

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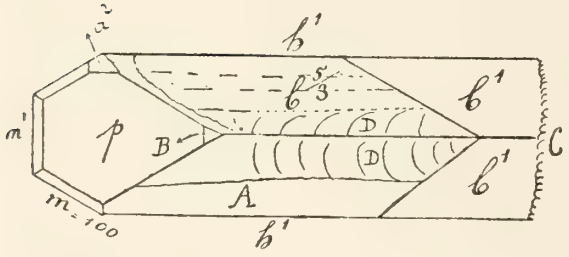

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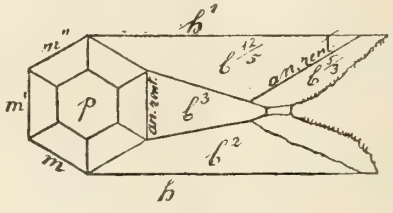

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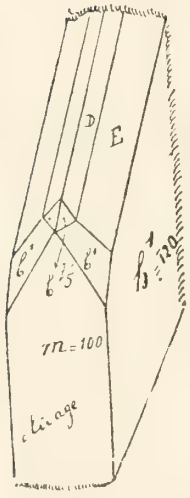

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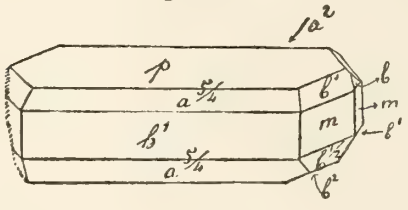

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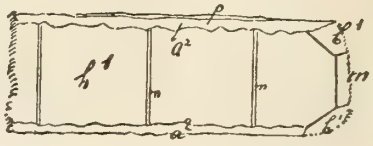

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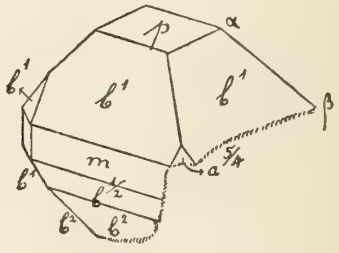

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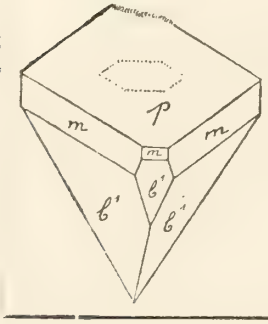

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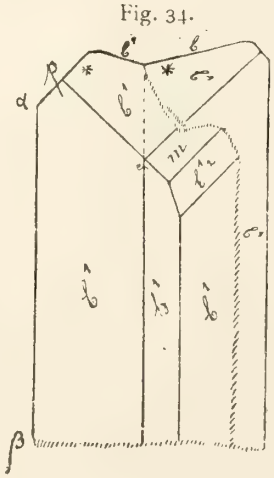

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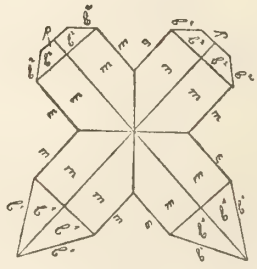

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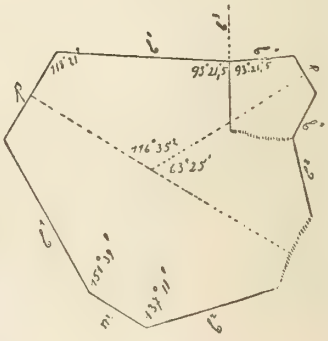

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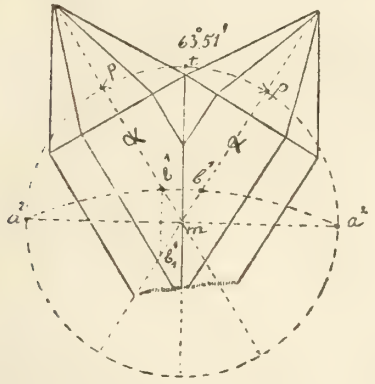
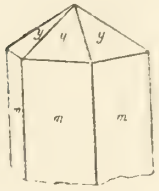


Fig. 38.

Fig. 39.



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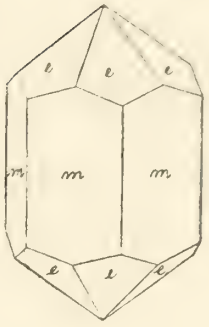

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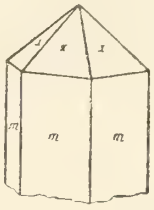

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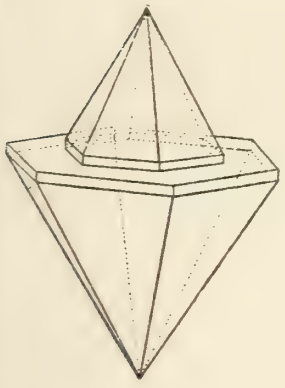

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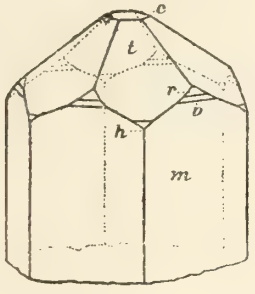

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Fig. 44.

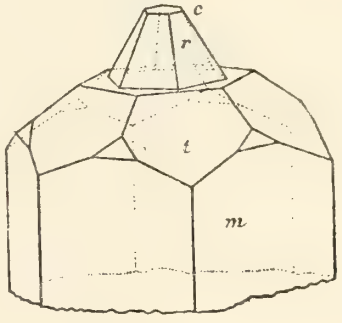
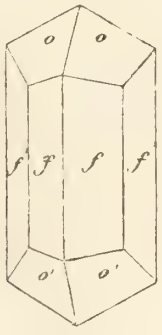


Fig. 45.

Fig. 1.



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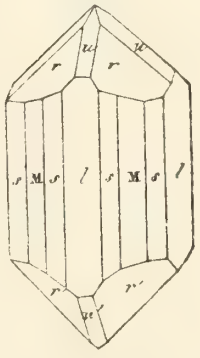

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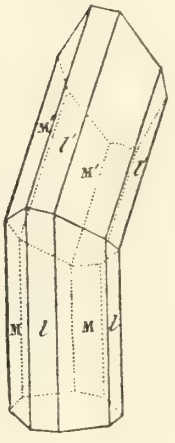
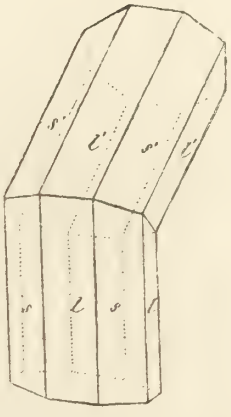


Fig. 46.

Fig. 4.

Fig. 5.



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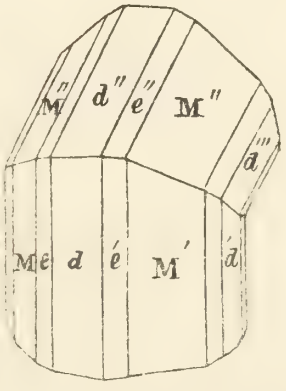

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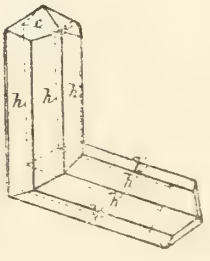

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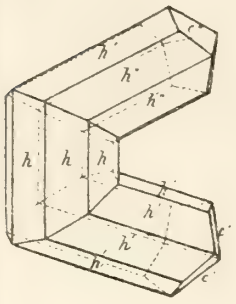
Fig. 8.



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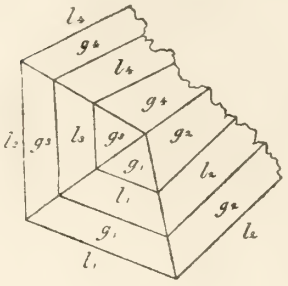

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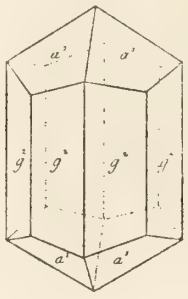

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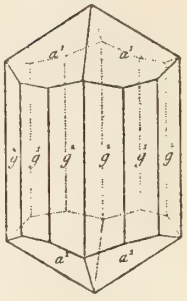

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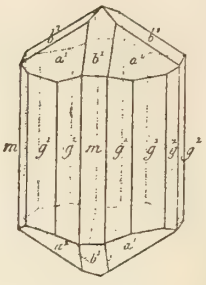
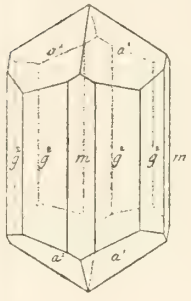


Fig. 13.



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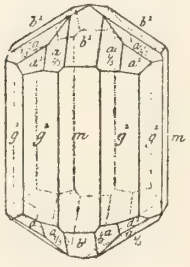

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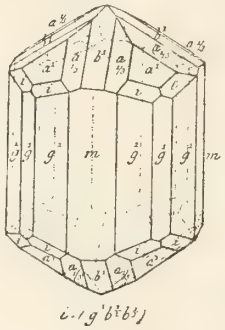

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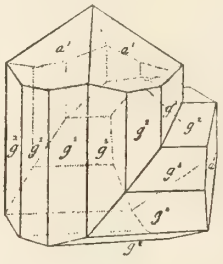

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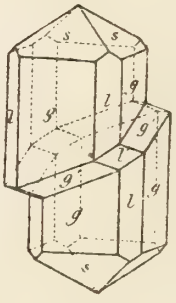

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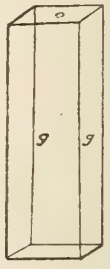

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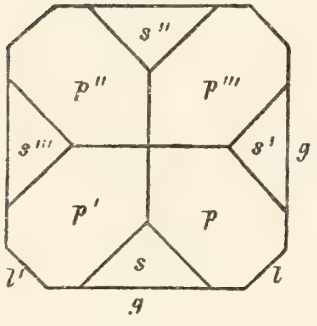

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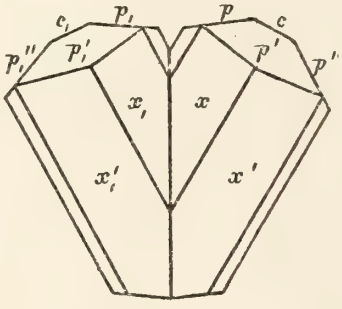

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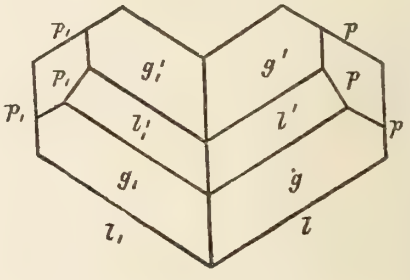

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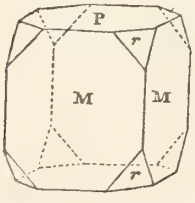

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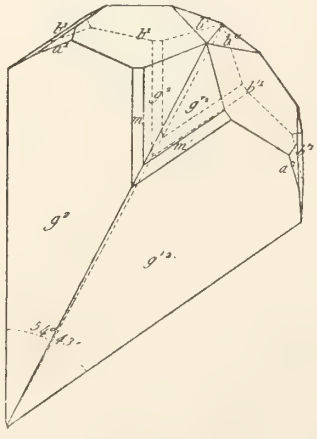

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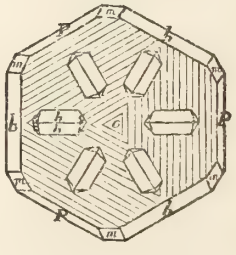

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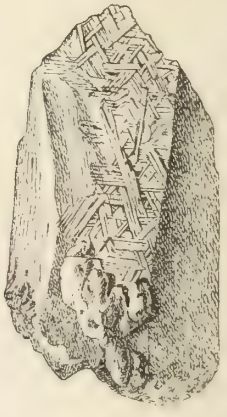

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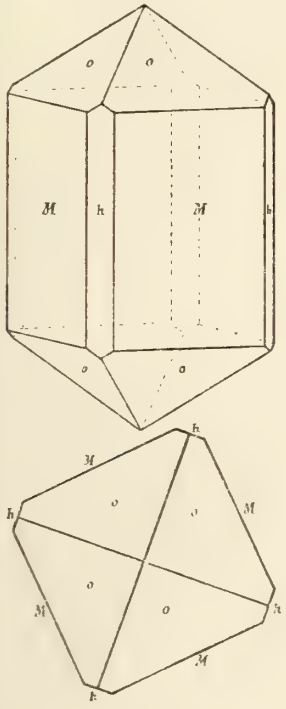

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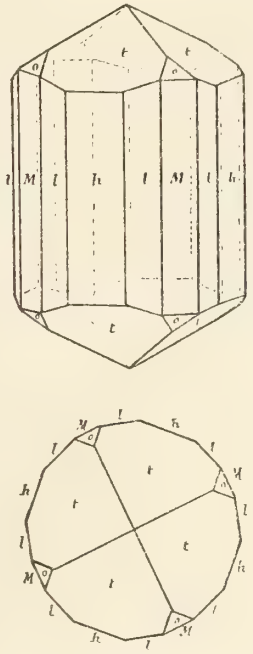

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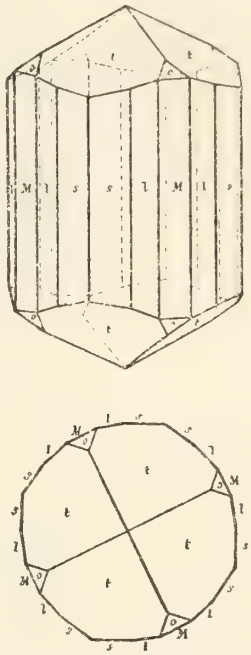

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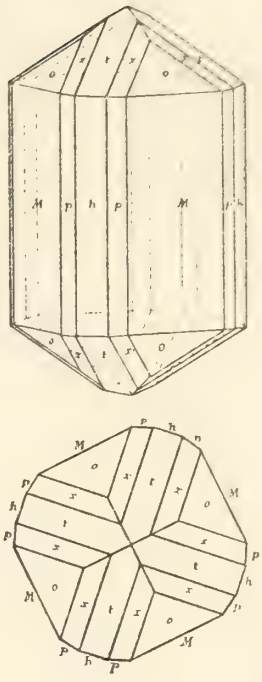

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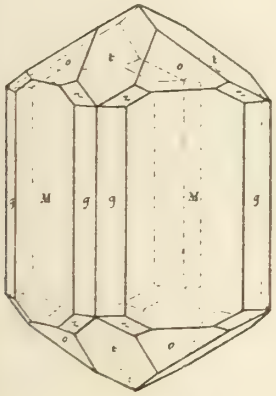

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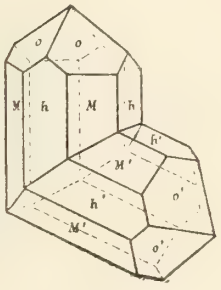

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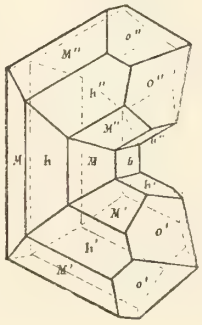

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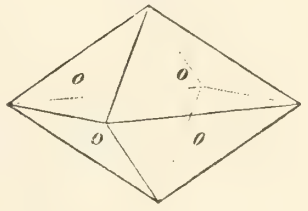

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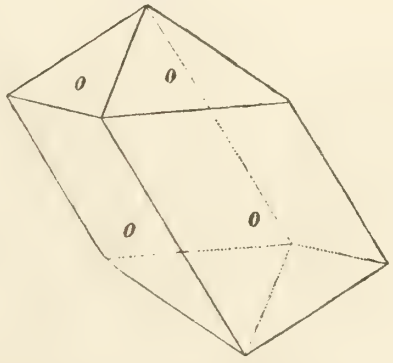

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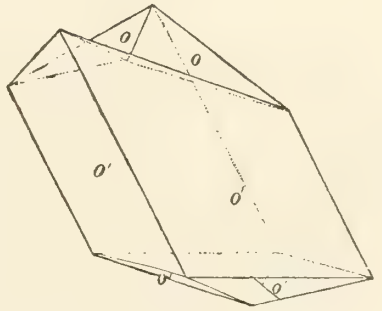

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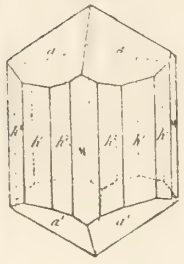

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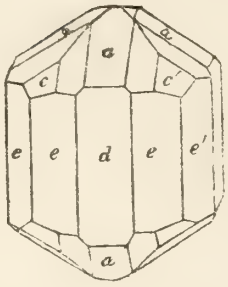

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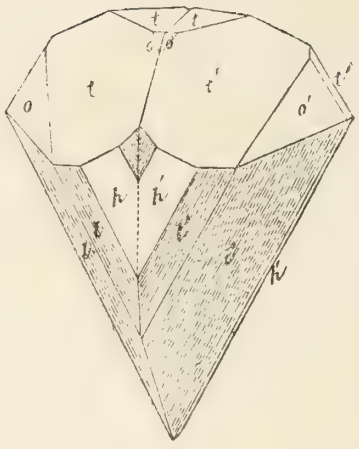

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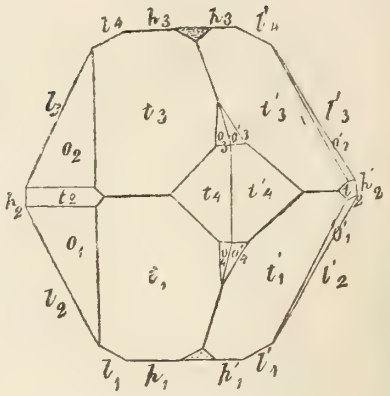

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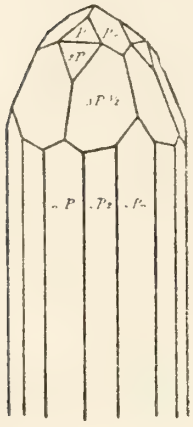

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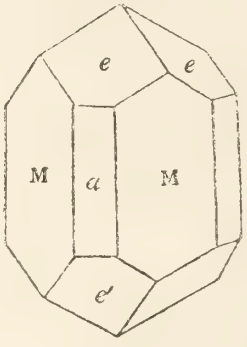

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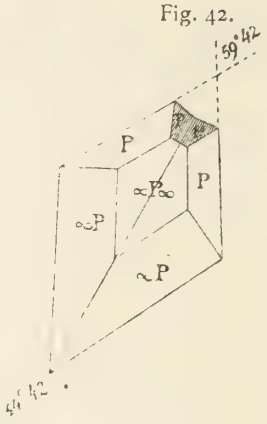

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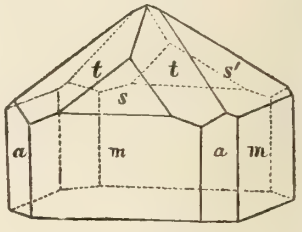

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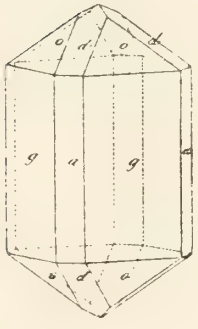

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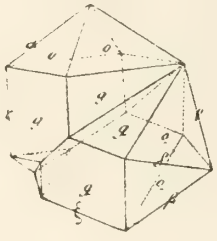

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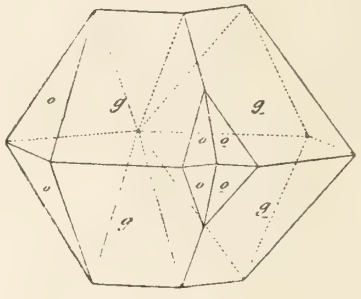

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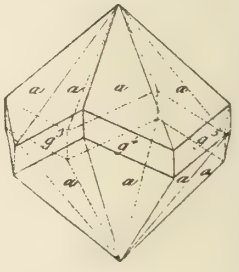

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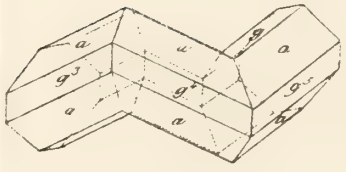

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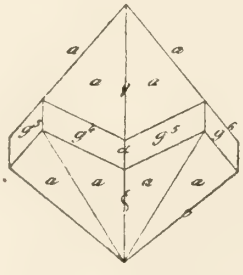

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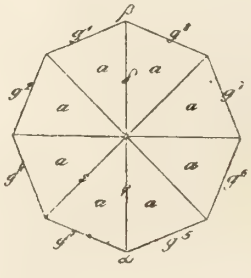

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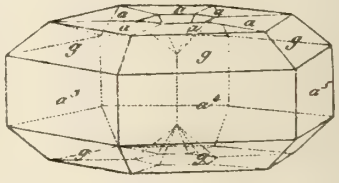

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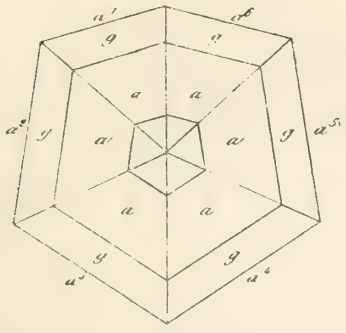
Fig. 52.



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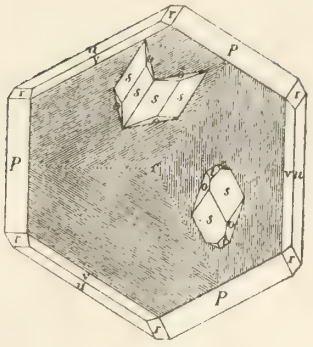

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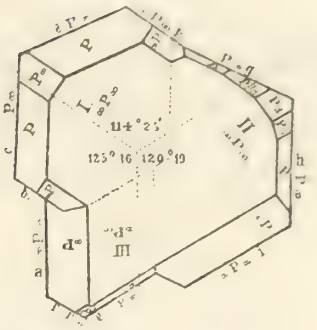

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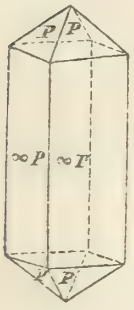

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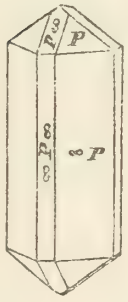

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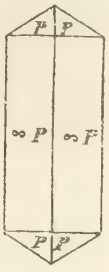

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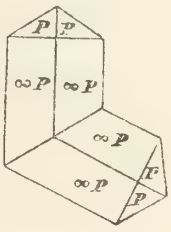

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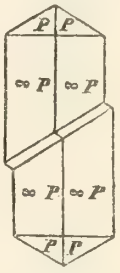

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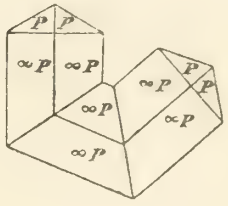

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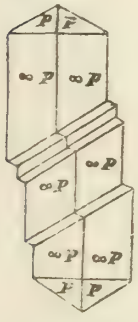

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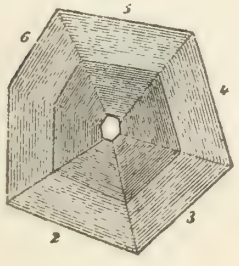

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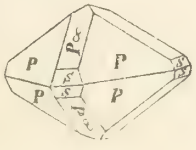

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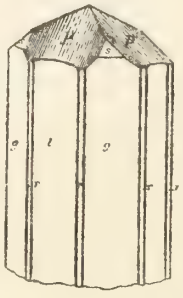

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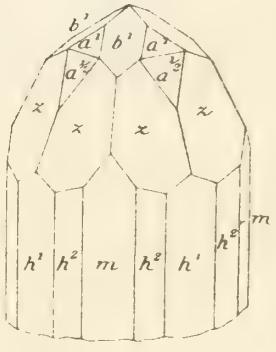

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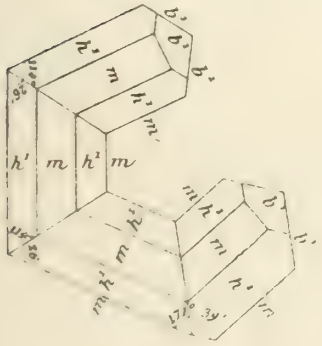
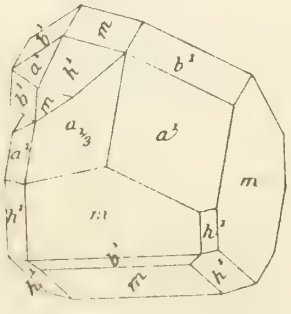


Fig. 67.



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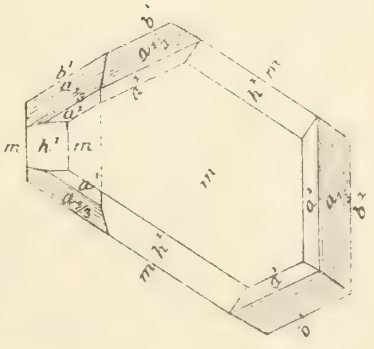

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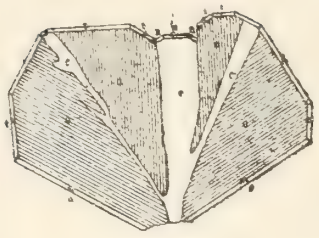
Fig. 69.



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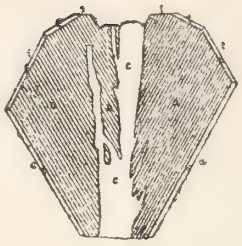

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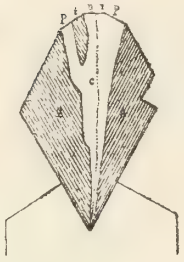

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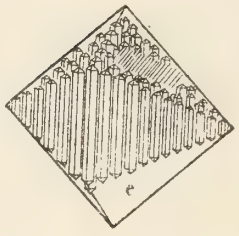

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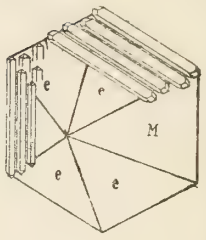

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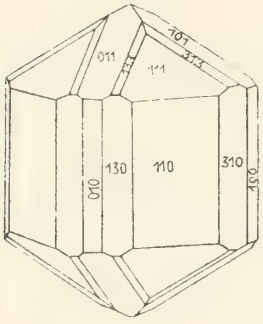

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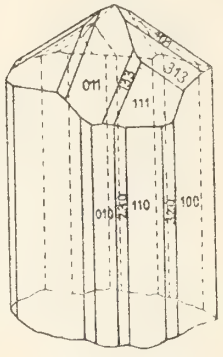

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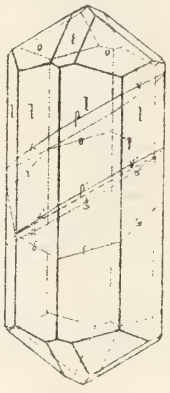

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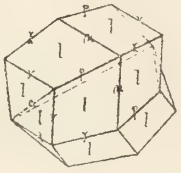

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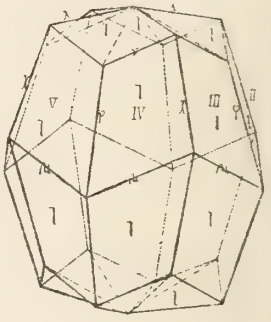

Fig. 79.

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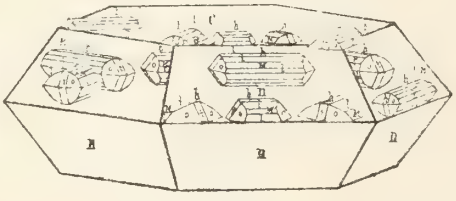

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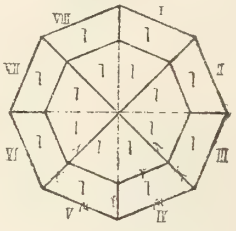

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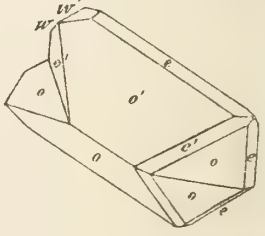

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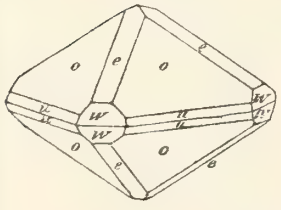

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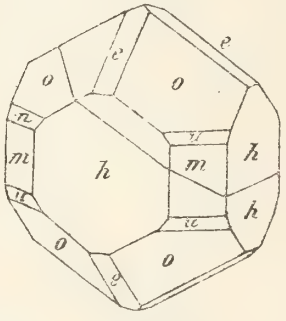

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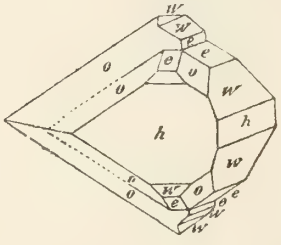

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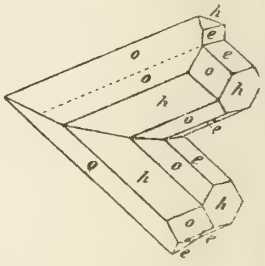

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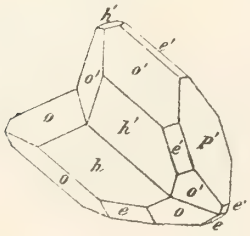

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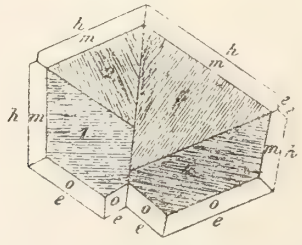

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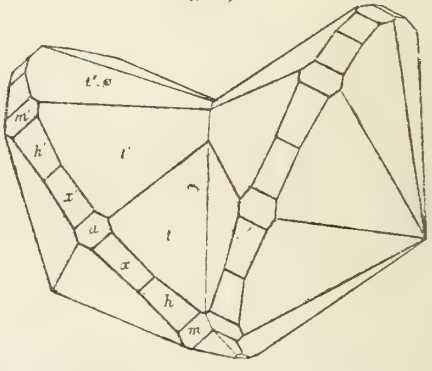

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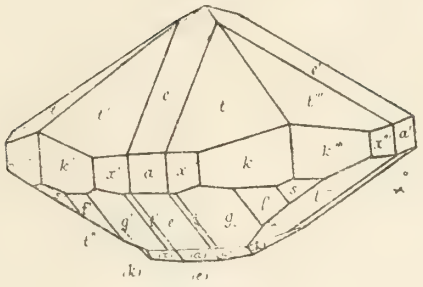

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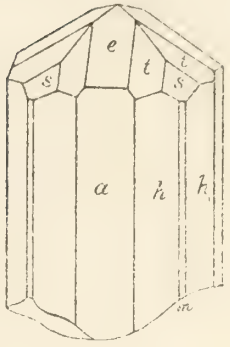

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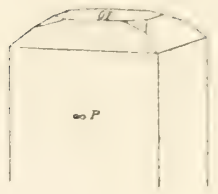

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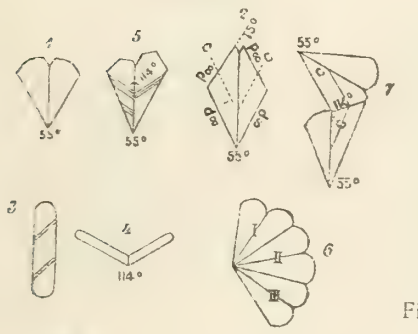

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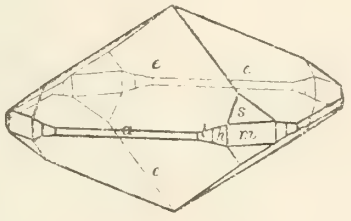

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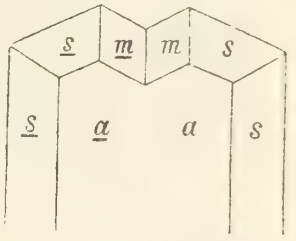

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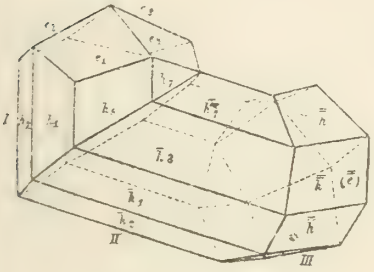

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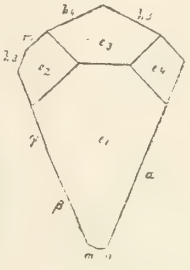

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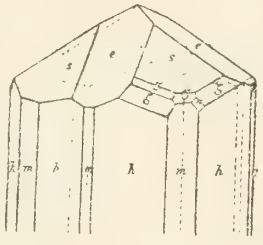

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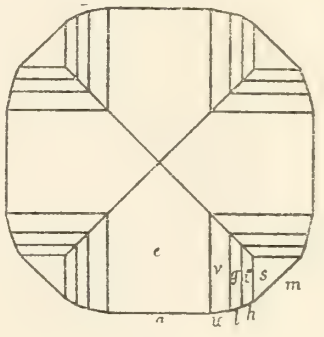

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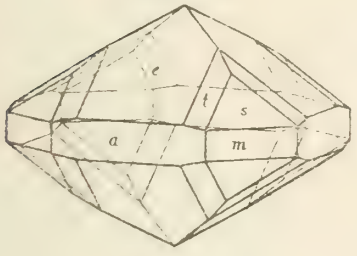

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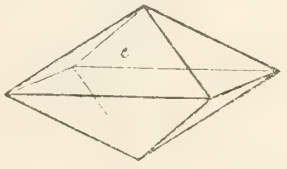

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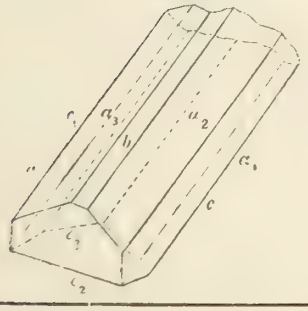

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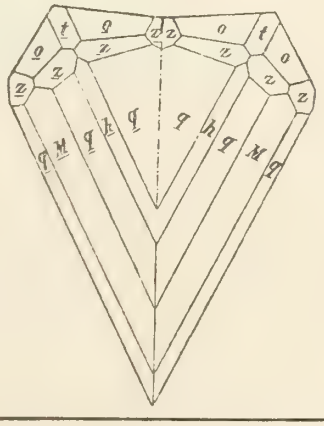

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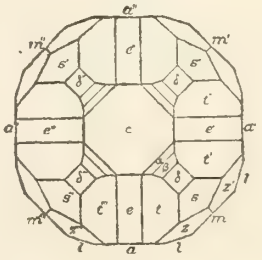

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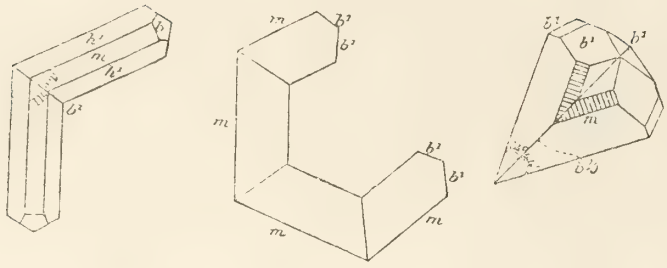
Fig. 105.



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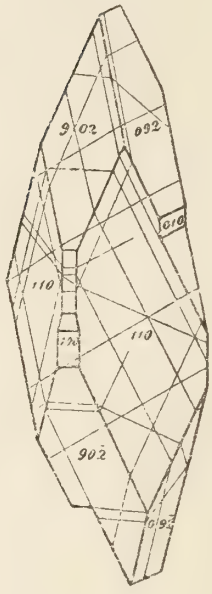

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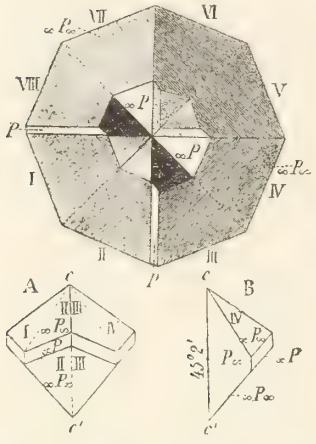

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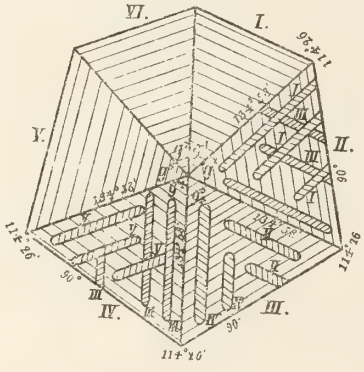

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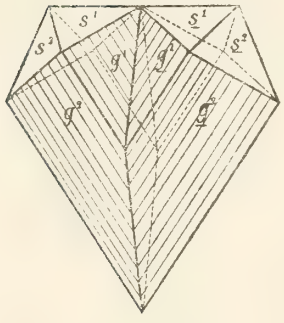

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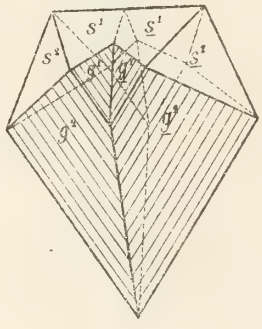

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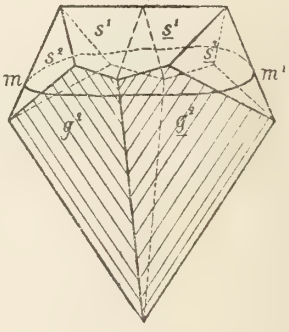

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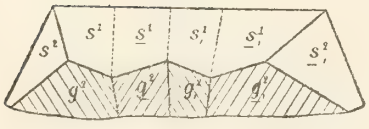

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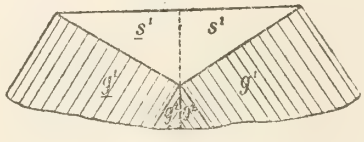

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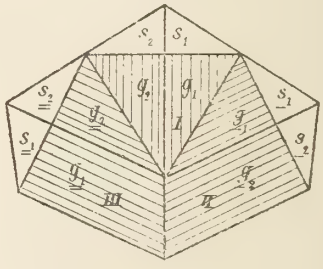

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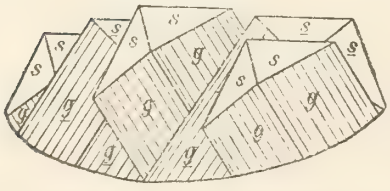

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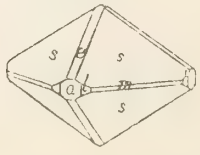

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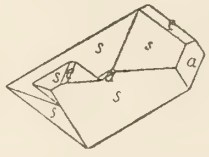

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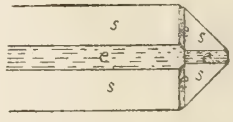

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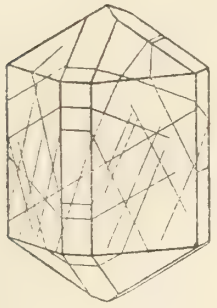
Fig. 119.



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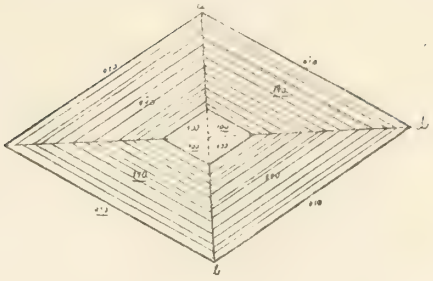

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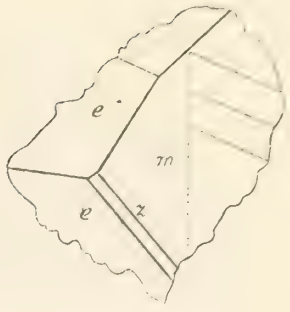
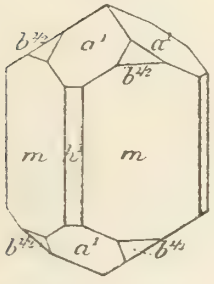


Fig. 122.



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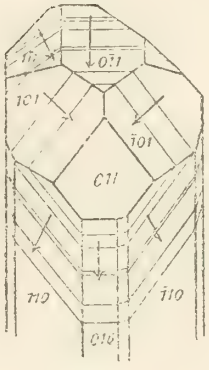

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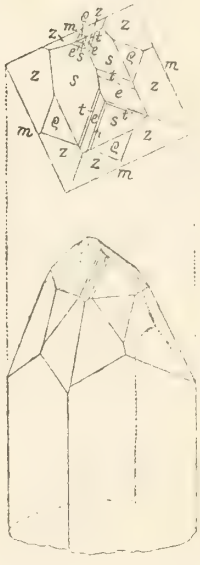
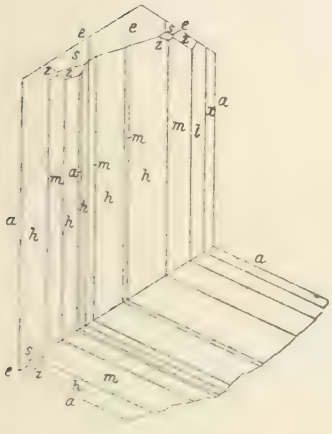


Fig. 125.

Fig. 126.



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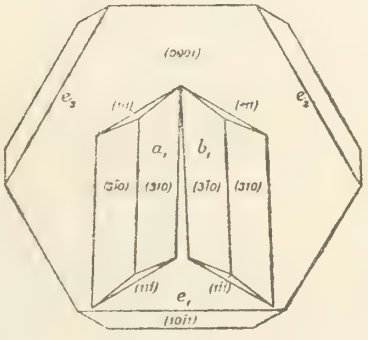

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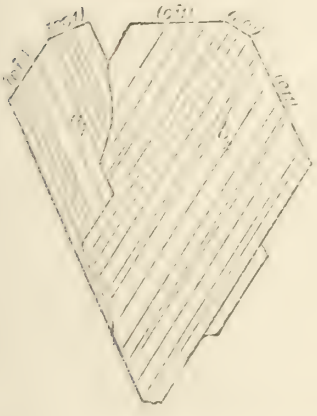

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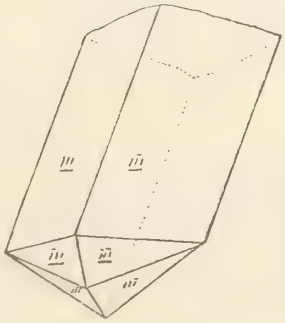

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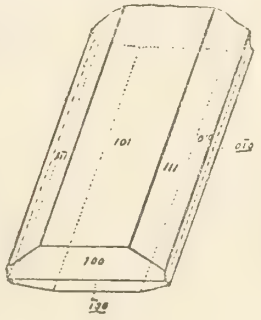

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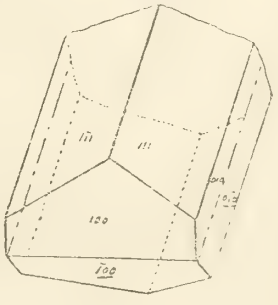

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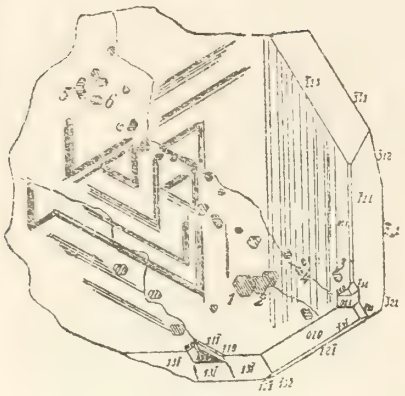

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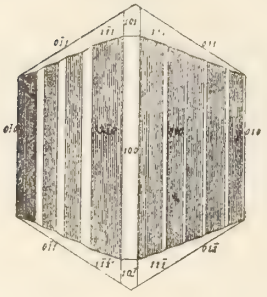

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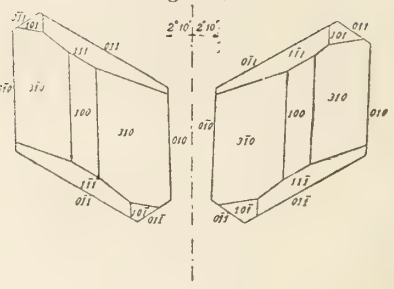

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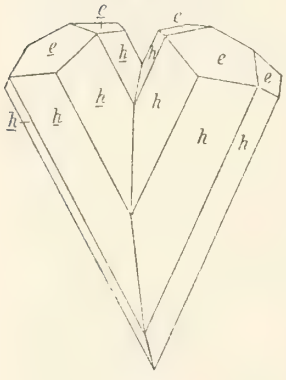

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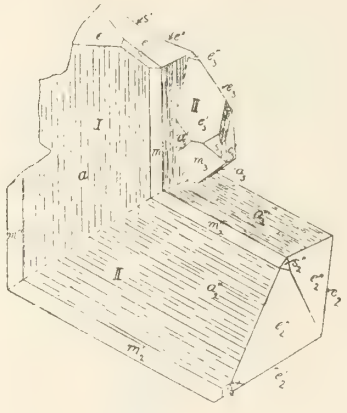

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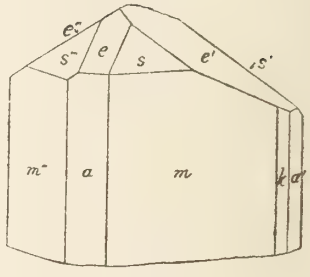

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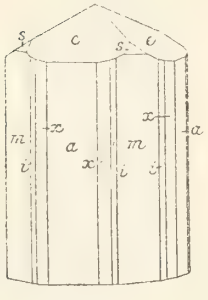

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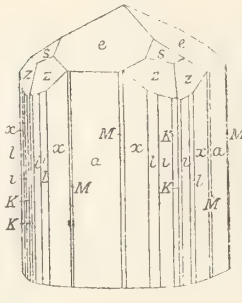

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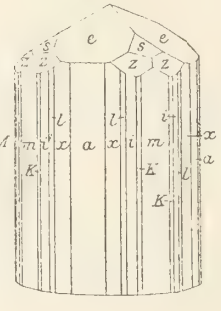

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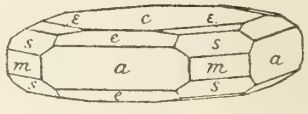

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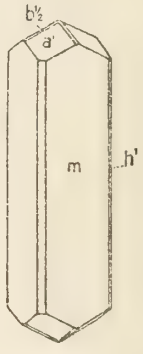

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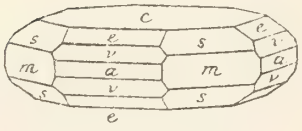

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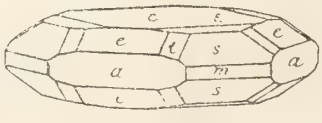

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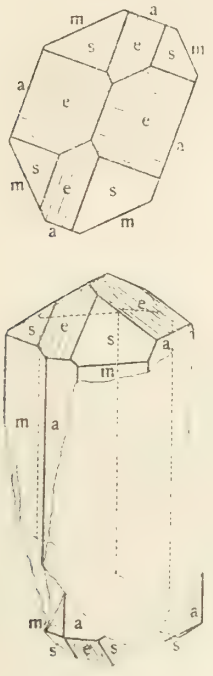

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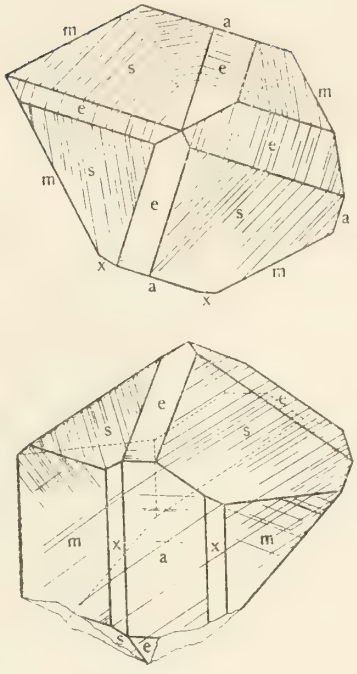

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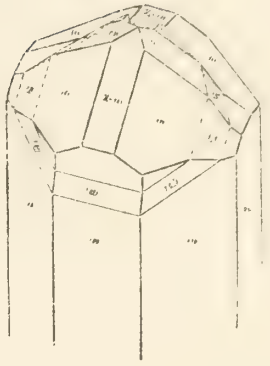

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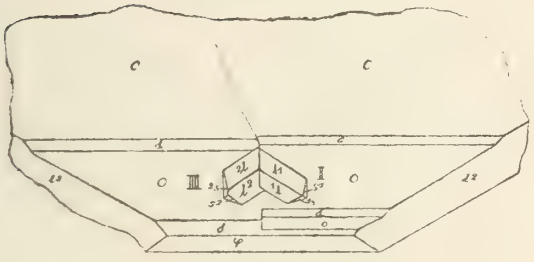

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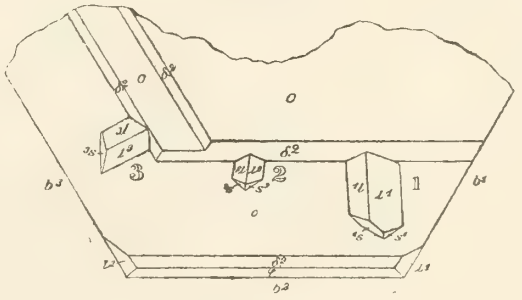

C. L. Wintersche Buchdruckerei.

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